

SECTION OF FOREIGN MARKETS

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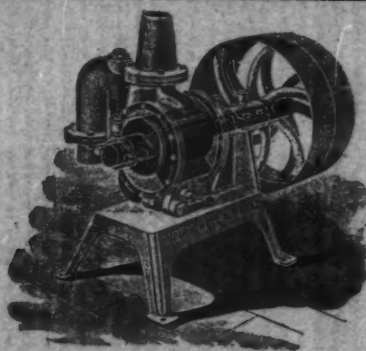
Entered at the Post Office, New York, and admitted for Transmission through the Mails at Second-Class Rates.

NEW YORK CITY: 284-286 Pearl Street. | PUBLISHED WEEKLY. | CHICAGO: Room 11, Rialto Building, 135-153 Van Buren Street.

Vol. XVI.—No. 19.

NEW YORK AND CHICAGO, SATURDAY, MAY 8, 1897.

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SPECIALY ADAPTED TO PUMPING

Oils, Fats, Brine, Glue, Soap, etc.

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PUMPS { HOT
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CONSIGNMENTS SOLICITED.

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H. E. Stürcke & Co., Chemists. See page 24.

ARE THE BEST AND CHEAPEST.
393, 395 & 397 GREENWICH ST.,
NEW YORK.
Fischer Mills Pure Spices

SEE WEIR & CRAIG MANUFACTURING CO.'S ADVERTISEMENT, PAGE 21.

REMINGTON MACHINE COMPANY, Wilmington, Delaware.
BUILDERS OF REFRIGERATING AND ICE MAKING MACHINERY.

ICE PLANTS by both the CAN and PLATE Systems.
 We carry a large stock of Ammonia Valves and Fittings also wide pattern return bends for brine circulation. Send for prices.



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Philadelphia Office: 435 CHESTNUT ST.

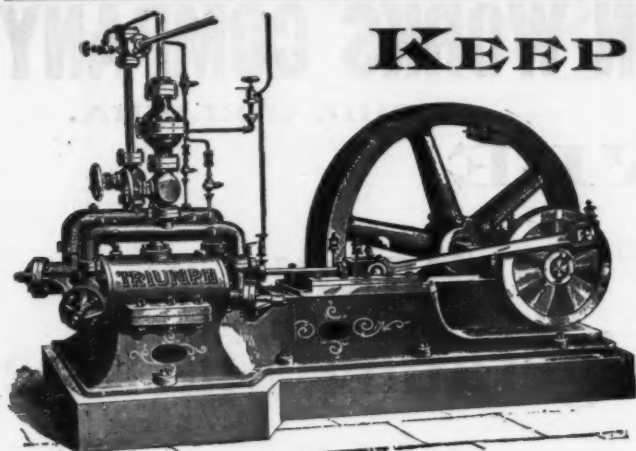
Manufacturers of Refrigerating Machines and Plants of any desired capacity for the cooling of Packing Houses, Abattoirs, Cold Storage Warehouses, Breweries, Dairies, Confectioneries, etc.

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We Make a Specialty of COLD STORAGE AND REFRIGERATION
FOR BUTCHERS AND PACKERS.

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SEE PAGE 7, INDEX TO ADVERTISEMENTS.



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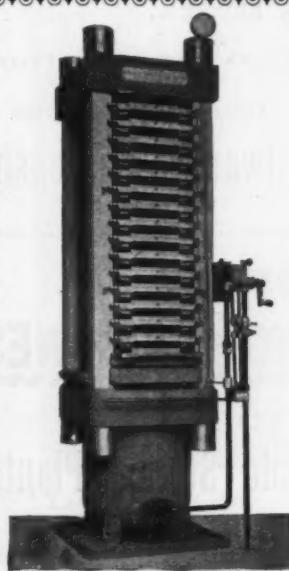
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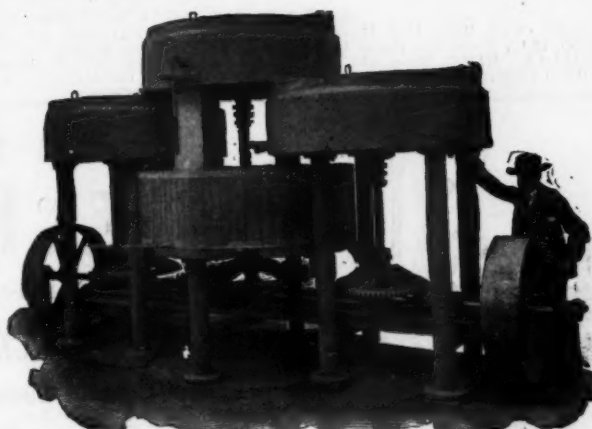
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OF ALL KINDS.

Rolls, Pumps, Molds,

The Most Perfect System
of Pressure Application.

The Very Latest Improvements
and the Very Best.



SET OF 60-TON COOKERS FOR COTTONSEED OIL MILLS.

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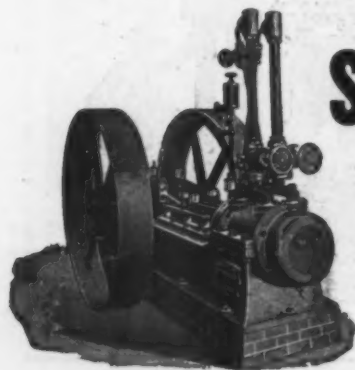
SAN FRANCISCO, CAL., 9 Fremont Street.

PITTSBURGH, PA., Room 702, German National
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BUTTE, MONT., Room 37, Lewisohn Bldg.

CITY OF MEXICO, 8 Calle Gante.

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Meat Markets, Packing Houses and Cold Storage Plants.

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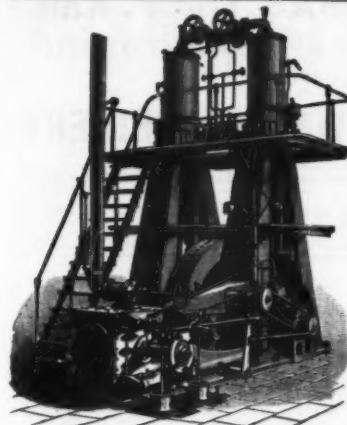
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FRICK COMPANY ENGINEERS.

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THOMAS SHIPLEY, Manager Ice
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Manufacturers of the **ECLIPSE ICE MAKING AND REFRIGERATING MACHINES**. We build the largest and most successful Ice Making and Refrigerating Machinery made in this or any other country. Send for our list of References and New Ice Machine Circular for 1896, describing latest improvements and methods for Making Ice and Refrigerating. Also builders of **First-class CORLISS STEAM ENGINES**. Send for Corliss Engine Circular, 1896. **Special High Speed (New Pattern) AUTOMATIC STEAM ENGINES**. Send for High Speed Engine Circular, 1896.

Corliss Steam Engines. Ice Making Machinery.
High Speed Engines. Steam Boilers.

Frick Company, WAYNESBORO,
ENGINEERS. FRANKLIN COUNTY, PA.

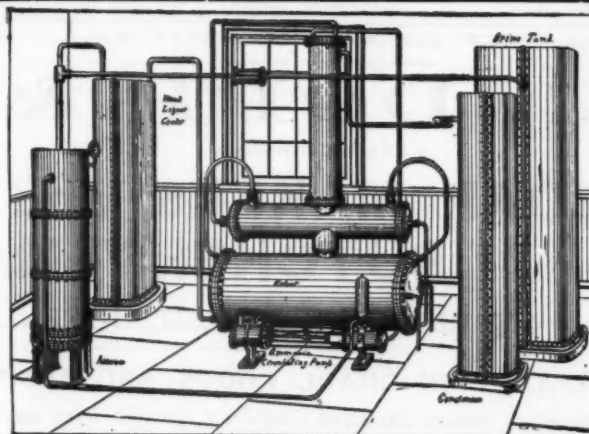
Simplest. Best. Lowest Price.

**CONDUCT
ICE-MAKING
OR
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MACHINE.**

Uses Less Fuel, } Than Any
Uses Less Water } Other System

BUILT BY
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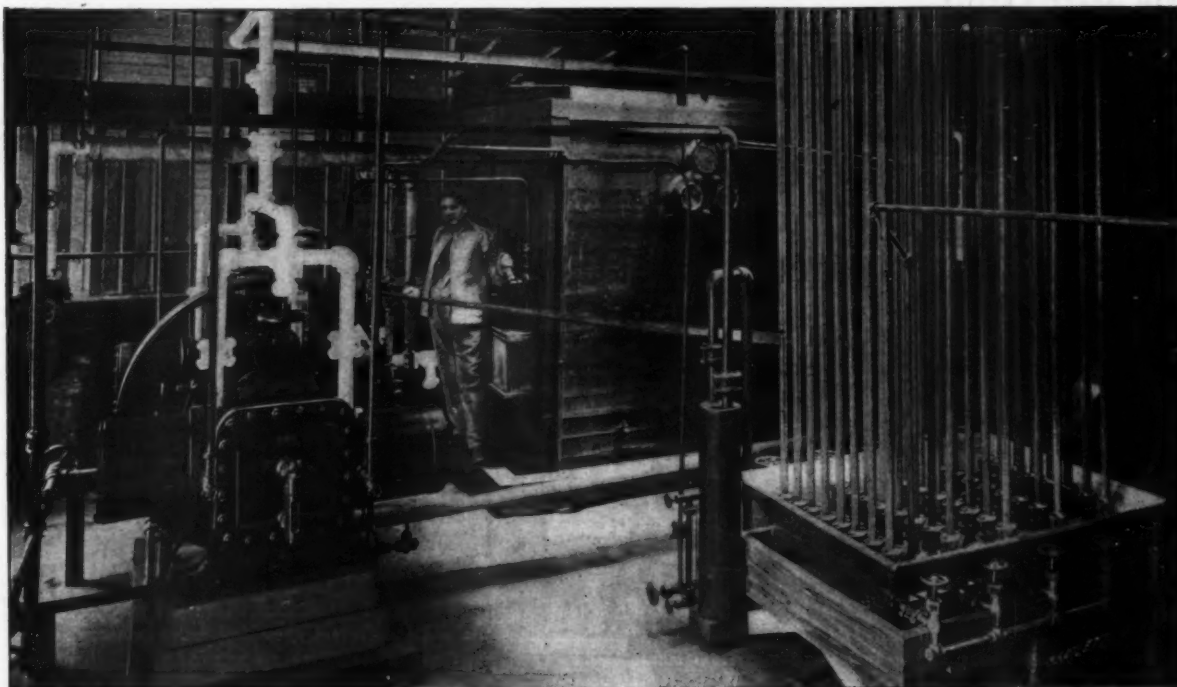
CORRESPONDENCE
SOLICITED



(PATENTED). CUT REPRESENTS ENTIRE PLANT.

REFERENCE LIST.

KANENBLEY BROS., Provisions,
New York City, N. Y.
THE NEW YORK BISCUIT CO.,
Cracker Mfg., New York City, N. Y.
WALLACE & CO., Confectioners,
New York, N. Y.
CENTRAL LARD CO., Lard Refiners,
New York, N. Y.
BUSH BROS., Provisions,
Jersey City, N. J.
JAMES McILHINNEY, Provisions,
Jersey City, N. J.
D. FULLERTON & CO., Slaughterers,
Paterson, N. J.
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Seabright, N. J.
FIDELITY WAREHOUSE & COLD
STORAGE CO., General Cold Storage,
Trenton, N. J.
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Mfg. Ice, Petersburg, Va.
WM. GRANT'S SONS, Provisions,
Springfield, O.
ISAAC WHIFFEN'S SONS, Provisions,
Utica, N. Y.
COOKE BROS., Oil Works,
Elizabeth, N. J.
HOTEL MARGARET, Brooklyn, N. Y.



Last week this space contained a cut of the meat room of the Cook County Hospital, Chicago, Ill., and referred to the new refrigerating plant which had been installed. The above shows it fully. The compressor is belted from the small engine in the back ground and hides the brine pump which is near the brine tank. The Condenser is of the vertical evaporative type, economical of water and easily handled. Such a plant is efficient, durable and convenient.

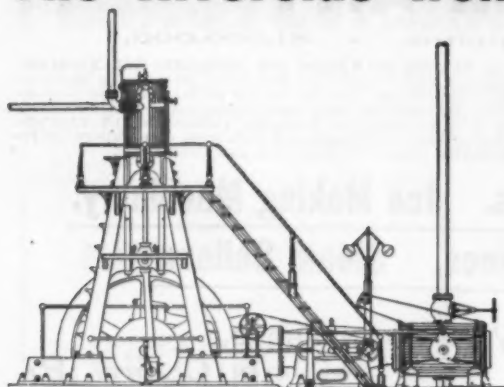
WESTINGHOUSE, CHURCH, KERR & COMPANY,

NEW YORK, 26 Cortlandt Street.
BOSTON, 53 State Street.

ENGINEERS.

PITTSBURG, Westinghouse Building.
CHICAGO, 171 La Salle Street.

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150 Ton Refrigeration Machine.

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of any Size or Capacity, on the Compression Principle, also Manufacturers of SPECIAL AMMONIA FITTINGS which are superior to anything now on the market. MANUFACTURERS OF PACKING HOUSE MACHINERY OF ALL KINDS. The ROBERTS HOG SCRAPER, LARD ROLLERS IN ONE PIECE.

....Partial List of Machines in Operation.

We contract for the EQUIPMENT OF COMPLETE PLANTS, either for Ice Making, Cold Storage, Packing Houses or Breweries.

Correspondence Solicited.

St. Louis Ice and Cold Storage Co., St. Louis, Mo.	1	70-ton	Ref.
Kansas City Ice and Cold Storage Co., Kansas City	1	70-ton	"
Reid Bros. Packing Co., Kansas City, Kan.	3	70-ton	"
Omaha Brewing Association, Omaha, Nebraska	1	75-ton	"
Kansas City Ice and Cold Storage Co., Kansas City, Mo.	1	100-ton	"
Kansas City Ice and Cold Storage Co., Kansas City, Mo.	1	250-ton	"
Ryan & Richardson, Leavenworth, Kan.	1	100-ton	"
Jacob Dold Packing Co., Buffalo, N. Y.	3	50-ton	"
Jacob Dold Packing Co., Kansas City, Mo.	1	70-ton	"

THE LEADING HOUSE.

H. WM. DOPP & SON,

MANUFACTURERS OF

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WE FURNISH
EVERYTHINGIN THE
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SOAP

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CHICAGO: Room 11, Rialto Bldg.,

135-153 Van Buren Street.

PHILADELPHIA: 3 South Front Street.

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NEW YORK AND CHICAGO.

Vol. XVI. Saturday, May 8, 1897. No. 19.
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52 PAGES.

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An important item affecting agricultural interests during the past week was the export to Europe of a large quantity of American butter. It may yet take a little time to pass the good news around, but sooner or later our farmers will awaken to the fact that the United States is predestined by a bountiful Providence to feed the world.

THE DINGLEY TARIFF BILL.

The Dingley Tariff bill in the form given it by the Republican majority of the Finance Committee was reported on Tuesday in the Senate. Some sweeping if not radical changes have been made in the measure which is now scheduled to go into operation on July 1. This practically gives two months' time in which to debate the various sections of the bill. It is thought, nevertheless, that the time at the disposal of the Senate is too short to do full justice to the multiplicity of arguments for and against which will necessarily be brought forward. It is gratifying to note that the retroactive clause of the bill as it passed the House has been thrown out by the Senate committee, a circumstance which shows that when occasion requires the Senate is ready to act as an anchor to leeward and as a check on the more precipitate and less conservative action of the House of Representatives. The retroactive proposition pleased nobody, and was regarded by people even friendly to the administration and to the doctrine of high protection as an arrogant piece of presumption. There was also considerable doubt as to its constitutionality. We presume that this phase of the proposed law, which was primarily intended to make the additional tariff revenue under the measure date as closely as possible to the commencement of Mr. McKinley's term of office, will not be heard of further. It was a bold stroke and it must be regarded as an indication of a sincere respect for Republican institutions that the attempt to embody it in the law was "turned down." The result will be enormous exports between now and the final passage of the law.

So far as relates to meats, provisions and other lines allied to these the bill as reported to the Senate does not materially differ from that passed by the House excepting in the vexed question of hides and the abandonment of the reciprocity clause. This latter is important in view of the fact that exports of provisions were never larger or the business more profitable than when the United States had reciprocal treaties with foreign countries. Some very interesting data on this subject is embodied in a special report by the Committee on Ways and Means. In that volume can be found the opinions regarding the advantages of reciprocity of many of the leading concerns in the packing trade. Armour & Co., for instance, wrote:

"The general effect of reciprocity treaties made in 1890 was favorable. There was prospect of marked improvement, shown by increased inquiry, and business with South America was stimulated by investigation as to trade requirements. While during the operation of these treaties insufficient time was given for actual development, considerable progress was made and unquestionably would have continued had these treaties not been repeated. We favor the application of reciprocity principles to future tariff legislation."

The Cudahy Packing Co. at the same time wrote:

"We strongly favor the application of the reciprocity principle to all future tariff legislation."

In our humble judgment the United States Government should spare no effort to build up the country's export trade, and if this can be done by the adoption of reciprocal and commercial treaties without disadvantage in any way it looks as if it were the plain duty of the Government to proceed on these lines. If the idea of protection is to stimulate and increase home production sufficient not alone for home use, but also for export it is reasonable to argue that as we increase and build up we must simultaneously expand, and by this we mean that markets must be sought out for our surplus goods. The object of the committee in striking out this clause is that

one more far-reaching and more fully and intelligently covering this important feature may be substituted. We trust that whatever is done the question will not be lost sight of. The re-adoption of reciprocal treaties would be favorably regarded by the packing trade. Although our provision exports to countries (Latin-American) with which the United States has had treaties were not large, they were sufficient to furnish evidence that reciprocity was a good thing for export business, and could be applied with advantage to our trade with continental Europe, everything else, of course, being equal.

Coming back to the other features of the bill, it will be found that the leather trade is to be conciliated by the adoption of the rebate system. It remains yet to be seen if leather exporters will appreciate this compromise. In the mean time the committee approves the duty on hides.

As a matter of fact, the whole interest of the meat and provision trades centers not on the specific increases which the Dingley bill will make to the tariff on imports, but on the effect which such increases will have in countries which export to the United States and in which the American packing trade have large markets for their goods. This is really the vital phase of the Dingley bill for most of our readers. Stock and hog raisers, packers, slaughterers, lard refiners and cotton oil mill owners want to see the markets of the world opened to their various products without hindrance or obstruction, and if this can be done to advantage by reciprocal adjustment we doubt if they will complain.

Equalization of trade and adjustment of values must be a dominant factor in the premises. A duty of six dollars a head will, no doubt, shut out Mexican cattle, and because of this we get rumors of the formation of a large company to operate meat canning factories in Mexico. Now, we doubt very much if the establishment of such factories would affect that business in this country to the extent of a flea-bite, and it certainly would not offset the advantage resulting to American stock raised by the practical exclusion of Mexican cattle. The admission of these cattle has always been a bone of contention, particularly in the Southwestern markets. The grade of meat was never very high and it is probable that a very fair percentage of Mexican stock was not of much use except for canning. However, be that as it may, the United States has proved itself sufficiently prolific in cattle to more than supply its own needs, so long as the markets are free from speculative or manipulative influences. This is proven by statistics. Last year 369,302 head of cattle were sent over to Europe from American markets. That the disposition to and necessity for exporting cattle is on the increase is also evidenced from the fact that cattle are now being shipped from all our large ports, showing that the exodus is general, and not centralized.

Continental Europe always sends up a howl when changes in our tariff laws are proposed, and the talk of reprisals from Germany and of France which imposes extra duties on provisions and flour, has been designed to afford an offset in any negotiation for reciprocity under the Dingley bill, that circumstance will no doubt be considered by our Government when any arrangement for mutual favors is discussed. It is quite an artful move, but it is yet to be proven that it hurts any one but the French.

We sincerely hope that this whole matter of revising the tariff will be arranged in a manner not calculated to hurt the meat and provision trades, or the other great interests allied with them.

TRADE WITH GERMANY.

The cable wires between this country and Europe have been kept hot during the past week with dispatches from Germany, bringing news of the debates in the Reichstag concerning the Dingley tariff. Some of the speeches made were decidedly fiery in tone and indicate not very healthy outlook for American meats and provisions in Germany should the new tariff be passed by the Senate. We have right along contended that every phase of tariff enactments resulting unfavorably to German exports to the United States militates against the agricultural interests of this country, and these amount to a great deal when coupled with the great packing and slaughtering industries, which are so materially stimulated by export business. We can certainly look for further re-

(Continued on page 10.)

strictions from Germany so soon as the Dingley bill becomes a law. The extent to which such obstruction is carried is a matter which will, of course, be under the observation of the United States Government. In the meantime it may be mentioned that existing embargoes could not be much worse or more detrimental to our export trade. The statements which we published last week from Mr. Ganz have gone broadcast over the country, and have created considerable interest in Government circles at Washington. There is no condition in the meat trade at this time which involves its future so much as the perpetuity of our export trade. It is a branch of American commerce which should be carefully and zealously guarded. Every restriction and every embargo created, whether by Germany, France or any other country, clogs the wheels of imported industries and throws so much more product on our home markets to be sold at a loss.

TO OUR WESTERN PATRONS.

We desire to inform our friends and patrons in the Western and mid-States that in view of our growing business in those sections we find it essential to increase our facilities. In view of this we have transferred our Mr. D. A. Williamson to the Chicago office of "The National Provisioner." He is a Western man, has had considerable experience in the meat, provision and allied trades and we bespeak for him that courtesy and consideration which our Western friends have always extended to this paper and its representatives. Our object in making the change is one which should benefit the trade generally, as much as it will, we trust, ourselves. It has sometimes been suggested that we have not given as much attention to Western matters as we should have, and, while assuring our friends that we have always recognized the West, and particularly Chicago, Kansas City and South Omaha, as the great and natural centers of the meat and provision trades, we hope to remove all doubt as to our attitude in the matter by asking our Chicago office everything that will demonstrate the greatness of that city as a pivotal factor in the various trades which we have the honor to represent.

We, therefore, hope that the future will bring us more directly in contact and in touch with all sections of the greater West and Southwest. Mr. Williamson will spend considerable time in the near future calling on our advertisers and subscribers in Chicago and vicinity and in the neighboring States as well. We hope he will cement old and valued friendships and make new ones. This is his mission.

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WEEKLY REVIEW.

DULL, WEAK, DECLINING MARKETS have been the ruling features in hog products for another week, depressed by increased supplies of hogs, lack of speculation for the bull account, realizing by longs, in sympathy with a further decline in wheat, and a very slack spot demand for all classes of goods, except for export cuts of meats, which have been reported more active at the West midweek. Packers have been on both sides of the market, and about equally divided, while there has been enough realizing by longs outside to give the selling the preponderance, and hence the decline, which has not been rapid nor heavy, but gradual and continuous, up to this writing, barring the recovery after an early decline on Wednesday. There seems to be no outside speculation in any of these products, unless it may be some for foreign account, as English houses have been fair buyers of ribs and pork during the week, but lard seems to have lost all its friends, although exporters have done a little more than reported last week, in cheap rates of freight from Ohio points, via Newport News to Liverpool, for which 1,500 tes. were taken late last week, and not reported in time for our last article. But Chicago is above an export basis on lard, though shipping out more freely, mostly on old contracts, or by consignment by packers, as New York exporters have reported only small sales of 50 and 100 box lots up to this writing. English markets would take some clear bellies, at a price, but these were cleaned up so close last week and the week before, for Cuba, that the price was forced above an English basis, and nothing has been reported this week. The trade from the coal mining sections is so poor that little demand from there has been reported for ribbed bellies, and these are rather easier, as well as for hams and shoulders, in the New York market. But prices of green meats have been held up in Chicago, notwithstanding lower hogs, by the demand from short packers who had to buy to fill old contracts to home trade, as well as to exporters, and this has maintained prices at the chief packing points, better than on the speculative articles, which have followed the prices of futures. Stocks on the first of the month were about as anticipated, though quite large, and they had a somewhat depressing effect. These will be found elsewhere in this issue. Exports for last week at Atlantic ports were 4,280 bbls. of pork, 13,-

655,000 lb. of lard and 28,815 boxes of meats, which is a considerable improvement over the late movement, as shown by the following comparison of exports since the first of November, compared with last year, which increased 100,167,000 lb in meats and 8,693,000 lb in lard, against a considerable deficit in the latter, until recently, while pork still shows a decrease of 6,054,000 lb. Among the sellers of future stuff in the Chicago market, Swift and Company and the other packers generally have been noted, while the Anglo and the Cudahy Packing companies have been the most important buyers, both supposed to be to cover shorts. Swift, however, has been the chief seller and for July delivery. As to the hog supply, the recent predictions of the packers of a bigger run is being fulfilled, there having been a steady gain in numbers, if not in quality also, there being less small hogs and more large ones than a month ago at the chief packing points. But there has been no news relating to the present or prospective supply that has not already been given in former articles, which, as shown in our last, was considerably under a year ago. As to the number of pigs destroyed by the floods, there are no figures or estimates, and nothing further has been said on the subject. As to the export outlook, it seems to be improving, both in meats and lard, though by no means active, refiners having taken a fair amount for the Continent, as well as South American and West Indian markets this week, though nothing but the 1,500 tes. noted above, late last week, have so far been reported for the U. K. There has been no further talk of manipulation in Chicago, and no appearance of it in the action of the market, which appear to have dragged down under continual dropping over of long stuff and selling against current production by the packers. The deliveries on the first of the month were small and without feature, having little or no effect on the market, and indicated nothing in the way of concentrated holding. Transactions so far for the week have been as follows:

On Saturday last 100 tes. of Western hams for May shipment, export, and 1,500 tes. of lard, through, cost, insurance and freight, from Chicago to Liverpool, noted above. Spot lard was quoted 4.35c. bid and 4.40c. asked, and city 3.90c., without sales of either reported. Receipts of hogs in Chicago were 14,000, and the market unchanged; closing prices were 2½c. off for the day on pork, 2½@5c. on ribs and 2½@5c. on lard, with 135,-

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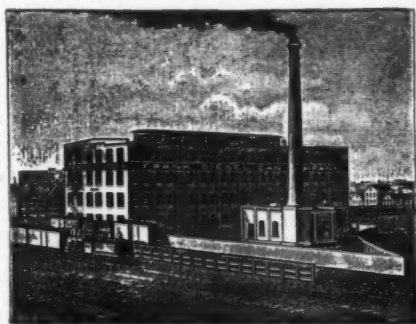
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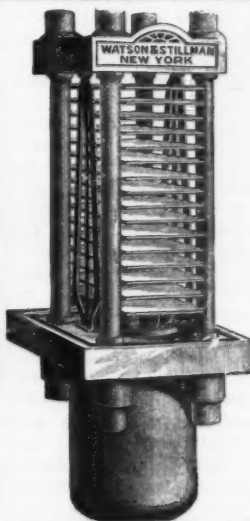
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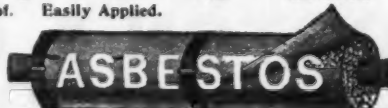
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000 hogs estimated for this week, against the same number received last week at Chicago.

Monday's markets were decidedly weak on very heavy receipts of hogs at Chicago, 46,000, against 32,000 estimated, and prices $7\frac{1}{2}$ @10c. off, the total West being 79,000. Pork broke $7\frac{1}{2}$ @10c., but recovered, and closed $2\frac{1}{2}$ c. up for the day on covering of shorts; lard lost 5c., and closed at the bottom bid, while ribs gained $2\frac{1}{2}$ c. on May, and closed unchanged for July, with a fair business done in futures. Cash lard in New York broke to 4.30c. asked for Western, while two tanks sold early at 4c., with 4.10c. asked later on talk of higher freight rates from the West; 250 city sold at 3.85@3.90 to local refiners, while a fair business was done in refined for the Continent at 4.60c., 5c. for South America and 6.05c. for Brazil. Pork was dull and easy with the West at \$8.75@8.50 for mess, with only small jobbing sales. City meats were dull and easy in New York, with jobbing sales only reported at $4\frac{1}{4}$ @5c. for pickled shoulders, 9c. for 12 to 13 lb pickled hams, $5\frac{1}{2}$ c. for 12-lb ribbed bellies, loose; $5\frac{1}{2}$ c. for 10-lb ditto, 5c. for heavy clear bellies in Cuba in pickle, and $6\frac{1}{2}$ c. dry salted.

On Tuesday receipts of hogs in Chicago fell under the estimates for the first time in some days, being 16,000, against 21,000, and prices were $2\frac{1}{2}$ @5c. up, but there were correspondingly heavy at the farther Western points, 17,000 at Kansas City, 8,000 at Omaha, and 10c. off to 5c. up respectively, with 65,000 at the West. Yet products were easier, declining with wheat $7\frac{1}{2}$ @10c. for the day on pork, 5c. on lard and $5\frac{1}{2}$ @ $7\frac{1}{2}$ c. on ribs in Chicago. In New York prime Western lard was quoted nominal at 4.25c. in tierces, with tanks nominal at 4c.; 250 tcs. of city sold at 3.85@3.90c. to local refiners; 200 bbls. of pork at former prices, and small lots of city meats at Monday's quotations. Exporters were reported entirely out of the market.

On Wednesday products weakened at the opening with hogs and wheat, though receipts at Chicago were 2,000 under the estimate, or 26,000, and 74,000 at the West; but at the decline there was good buying, and after opening $7\frac{1}{2}$ c. lower, pork closed $7\frac{1}{2}$ c. higher for the day; ribs opened $2\frac{1}{2}$ c. lower, and closed $2\frac{1}{2}$ c. higher; lard opened $2\frac{1}{2}$ @5c. lower, and recovered the loss; Western lard was quoted in New York 4.25c. nominal, though some asked 4.30c., with city at 3.80@3.85c., and tank 3.97@c. nominal, with small sales of city only reported and moderate sales of meat and 300 bbls. pork at Monday's quotations. Hogs in New York were steady at $5\frac{1}{2}$ c. for 160 lb.

(For Later Report See Page 40.)

J. J. Mangham, J. W. Mangham, Douglas Boyd, Joseph D. Boyd and others are interested in the Joseph D. Boyd Manufacturing Co., will be organized at Griffin, Ga., with a capital stock of \$25,000, to erect a cotton seed oil mill and fertilizer factory.

Hastetter & Biglow, meat market, Essex, Ill., have dissolved; business has moved to Reddick.

R. H. Jones and J. H. Judik (trading as R. M. Jones & Co.), pork packers, Baltimore, Md., have deeded real estate to the amount of \$9,377.

Andrews & Stevens, retail provisions, Boston, Mass.—Alonzo Stevens dead and business sold out.

TALLOW AND STEARINE. WEEKLY REVIEW.

TALLOW.—An active export market has been the important feature this week, following the free sales noted in our last for the French markets, which have been duplicated again this week, up to this writing, 400 hhds. having been taken Saturday at $3\frac{1}{2}$ c. for France and 500 more on Monday at the same price, making since midweek last week 1,700 hhds. of city taken in New York for export, and all for the French markets, except 100 hhds. for Liverpool, as noted last week, beside 800 hhds. to local soap makers. Yet with all this activity the market has not rallied, and there are still sellers at $3\frac{1}{2}$ c., at which export buyers, for the moment, have withdrawn. It will be remembered that we indicated some time since, when French shippers were talking 3c. as the best price they could pay, that they were more than likely to come in at $\frac{1}{2}$ c. better, in case they could buy at the latter figure, but there have been too free offerings at this figure, and shippers seem to have been frightened off and inclined now to hold out for a 3c. market, as offerings would seem to indicate that a part of the block that has been held here so long off the market, from $3\frac{1}{2}$ c. down to $3\frac{1}{4}$ c., is now coming out. Either this, or sales late last week and this must have been in good part for forward delivery, as they have been equal to about three weeks' production, as the home trade came in on Wednesday last and took 400 hhds. city at $3\frac{1}{2}$ c. This has been the only improvement, either in the amount of business done at any point, as the supply of country tallow offering in New York has been fully equal to local soap makers' wants and prices have been easier at 3c. for prime and $3\frac{1}{2}$ c. for choice makes, barring some at $3\frac{1}{4}$ c. that would pass for so-called edible, or fancy soap stock. At these prices a little more has been done than of late, sales having averaged, so far for the week, about 100,000 lb a day; and yet the offerings, both on the spot and to arrive, are in excess of demand, together with those of city. At the outports the same condition of things is said to exist, and considerable accumulations are reported, as little but a local soap makers' demand has been experienced for some time past, and this is not equal to current production, which exporters report nothing outside of New York this week, Germany not being a bidder, even at last week's prices for choice soap stock. At interior points accumulations also are reported, and country shipping points are unloading on Chicago, breaking prices there of No. 1 packers' to $3\frac{1}{2}$ c., at which only 500 to 1,000 tcs. have been reported, and of No. 2 packers' at $2\frac{1}{2}$ c., only a small local demand having been reported in that market, as prices are too high for any considerable export outlet. We seem to be getting in about the same position as last year, notwithstanding the reduced production of tallow, owing to the scarcity of beef cattle, and a considerable and continued export inquiry seems now necessary to keep down stocks, as home demand does not appear to have materially or generally improved, though somewhat larger. As to the outlook from abroad, there is fair encouragement from France only for continued demand, but, as indicated above, it is believed that she will not come in freely again at present above 3c. Bearing out this outlook, London

sales on Wednesday were 6d. lower, and only half of the 2,200 casks offered were sold.

STEARINES. however, have not sympathized with the activity in tallow, but have been duller even than recently, as compound lard refining demand is at the minimum point for oleo stock, with raw lard declining and back to a 4c. basis in Chicago in tierces, and correspondingly less in tanks. The only sales reported up to midweek have been of 100,000 to 200,000 lb in Chicago at 4c., with free offerings at that price and no further demand reported, while 100,000 lb will cover all done in the New York market for the first half of the week, at $4\frac{1}{4}$ c., although pressers tried to get 1-16c. more early. Notwithstanding this price is back very near the export basis at which France came in last summer, there has been no talk even of export, so far this year, and candle makers have not been reported as buyers in the West for some time past, where considerable accumulations of stock are reported as pressing on the market like tallow, leaving both of these staples in equally weak position. In lard stearine the chief New York presser is sold up for this month, and not on the market, hence quotations are maintained at $5\frac{1}{2}$ c. nominally, while the other presser, being also a lard refiner, is consuming his own product. But Western is offered easier at $4\frac{1}{2}$ c., New York, with very little demand and no sales so far reported for the week.

OLEO OILS have eased off since the advance reported in our last, as demand in Rotterdam has fallen away, with no business reported until Tuesday, when a fair trade amounting to a few hundred barrels was reported at 39 florins for top brands, and at corresponding reductions for second brands and off grade, of all of which arrivals were more liberal. Shipments from here are fair, and the tone of the market at this writing is barely steady, if not easy.

GREASES have been stupidly dull and easy at old prices, the improved export demand for tallow not seeming to have struck greases as yet, notwithstanding they are practically at the point where they moved for export into France so freely a year ago, on a basis of 1c. per lb under tallow. Low grade greases are offered in New York at $2\frac{1}{4}$ c., which price would probably be shaded, while 2c. was the bottom price reported last year. Stocks of this grade, if not of the higher grades of grease, are supposed to be accumulating both East and West, pressed down under the weight of other soap stocks, as lard is now nearing the point at which it was used so freely early in the year for soap making, namely, 3.75c. and under in tanks at Chicago, where 500 tcs. white grease were taken at $3\frac{1}{4}$ @ $3\frac{1}{2}$ c. this week.

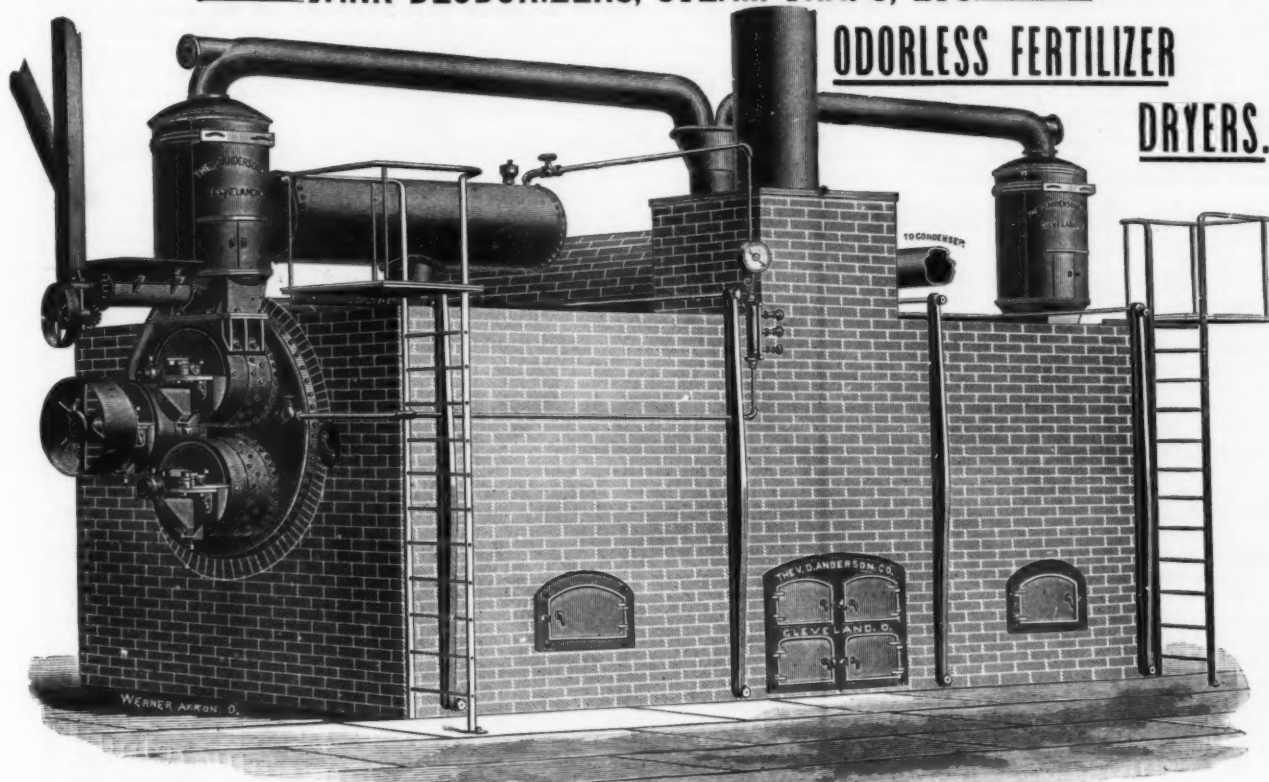
ANIMAL OILS have been dragging along in the old rut, with nothing to lift them out of it, and not demand enough to break the market, to speak correctly, although apparently in contradiction, for nothing but a jobbing trade could be stimulated by lower prices, and hence producers maintain old figures practically, for want of a broader market. This is true particularly of lard oil, while neatfoot is in no surplus supply of importance, but can only be sold in a jobbing way. In degrass there has been a little more business doing at steady, but not notably higher prices, as tanners refused to pay the advance asked in anticipation of a higher duty, and sellers were compelled to abate their late pretensions.

(For Later Report see Page 40.)

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KANSAS CITY LETTER.

The records of the live stock market for past week give cattle, hogs and sheep lower in values. Receipts past week with comparisons as follows:

	Cattle.	Hogs.	Sheep.
Kansas City	27,231	67,478	20,955
Same week 1896	20,646	63,387	20,139
Same week 1895	20,619	59,015	20,929
Same week 1894	23,268	51,294	5,188
Chicago	50,700	151,500	65,600
Omaha	12,500	35,500	18,500
St. Louis	12,100	33,600	30,400
Kansas City	27,200	67,500	29,000
Total	102,500	288,100	143,500
Previous week	91,200	264,000	146,100
Same week 1896	78,700	300,500	132,800
Same week 1895	77,300	250,700	112,600
Same week 1894	92,900	246,200	62,700

The month of April was a record breaker in many respects for Kansas City in receipts of cattle, hogs and sheep, and also in the slaughter of the packers. There is no doubt but that the tendency is to have Kansas City a more important center in the coming years. The Northern States that depend largely for their young stockers and feeding cattle on the ranges of Arizona, New Mexico, Texas and Southern States, find their largest competitor this year in Kansas, and at present writing Kansas has more cattle in her territory, owing to the immense quantity of corn that she can supply and the splendid pasturage, than ever before in her history. There is no disputing the fact that when the Southern cattle are fed in Kansas that Kansas City is their legitimate market. During the past week there were no \$5 sales to record. The highest price paid for the week, that by Eastman for some cattle, 1,507-lb average, that were fed on soaked corn for the last five months, for which they paid \$4.95. The fat cattle were lower all along the line—more sales recorded under the \$4.50 mark than for several months past. Swift, among other purchases, purchased some 1,514-lb average at \$4.70, some 1,218-lb average at \$4.30. United Dressed Beef Co. purchased some 1,368-lb average at \$4.70, also a bunch of 1,466-lb average at \$4.60. Webber, with other purchases, purchased some 1,271-lb average at \$4.50. Kraus, among his purchases, purchased some 1,387 at \$4.65. S. & S. purchased some good 1,488 at \$4.60. There was quite a difference, however, in the prices paid the past April and that of April one year ago. The highest price last April—except for a few fancy cattle—was \$4.15. The sales over \$5 were quite numerous this past April, and even \$5.10 paid for some fancy lots. Even the quarantine cattle showed quite a difference this year; the highest price paid last year during April \$3.65, while as high as \$4.60 was paid this year. Cows and heifers were reasonably scarce, some cows of 1,035-lb average going as high as \$3.85, even a few of 1,186-lb average going at \$4. Some heifers of 1,200-lb went at \$4.10. A bunch of Texas heifers, 565-lb average, went at \$4, and a bunch of white-faced heifers sold at \$4.35. To be sure, that shows that well-bred cattle pays. A bunch of heifers ten months old weighing 690 lb average sold at \$4.35. Range cattle in fair supply. Some 1,503-lb average Western steers going at \$4.70. Another bunch, 1,246-lb, \$4.20. Some fed Texas of 1,126-lb average at \$4.10. In the straight runs from Texas one bunch of 146 averaging 1,447 lb sold at \$4.60. Another bunch, 116, 991-lb average, \$3.87½. Another lot of 198, averaging 968 lb, at \$3.70. A bunch of Texas cows, 931-lb average, \$3.35. A bunch of 1,082-lb average, \$3.25. The run of straight Texas were very limited in the past week. Native bulls sold all the way from 1,110-lb average at \$2.40, to 1,900-lb average at \$3.85. Western bulls of 1,312-lb average \$2.85; some 1,536 at \$3.15. On the whole, though, the prices were much lower; still, taking the price of corn into con-

sideration, and the low prices realized last year, the sale of cattle was satisfactory. The present low prices in a good measure accounts for the large receipts, for it must be remembered that a great many of the country people purchased these cattle last year at pretty low prices, and therefore seem to decide to realize on the handsome profits already made. It is doubtful, however, if this sale of half-finished cattle is a good policy, for the prices now paid for thin, well-bred feeders are still high. To be sure, feeders suffered with the balance of the cattle last week, but not in proportion to other grades. Shipment of feeders for the month of April, 836 cars, falling short considerably to March, which showed 1,192 cars; February, 1,427 cars, and January, 1,635 cars, but show a gain, however, of 292 cars, compared with April, 1896. It is noticeable that of the total shipments that went from Kansas City the State of Kansas in the last four months received 50 per cent of the entire amount. Exporters shipped in the past week 215 cars. Previous week 230 cars. Corresponding week one year ago 200 cars. The purchasers for the past week were: Schwarzschild & Sulzberger 1,202, Eastman 835, Kraus 752, United Dressed Beef Co. 411, Swift 297, Hammond 186, Kaufman & Straus 166, Cudahy 142, Michaels 149, Balling 96, Dold & Co. 87, St. Joe P. & T. Co. 33, W. W. Hall 22.

Owing to the large receipts of hogs for the whole week, they showed a downward tendency, and the decline for the week was pretty steady, though toward the close there was a little stronger feeling in some of the fancy grades. Light hogs were sold on Monday at \$3.65 to \$3.80, down to \$3.60 to \$3.75 on Wednesday, and closing the week \$5.60 to \$3.80. Pigs had a wide range from the Southern \$2.80 price, to that of the fancy native \$3.50. Mixed packing and prime medium, Monday \$3.75 to \$3.82½, on Thursday touched \$3.67½ to \$3.70, rallying a little on Friday to \$3.70 to \$3.72½ and finally closed \$3.67½ to \$3.80 on Saturday. Heavy hogs started out \$3.77½ to \$3.82½ and continued their downward tendency, ending on Saturday \$3.67½ to \$3.75. With the exception of one load of fancy hogs—every one of them "just so," or, as a local paper describes them, "Every hog a perfect picture," selling to the Mexican trade at \$3.90. The top price for the week on Monday, \$3.90, then down to \$3.77½, finally closing Saturday \$3.80. The bulk for the week was Monday, \$3.75 to \$3.82½, going Thursday to \$3.67½ to \$3.72½, rallying 2½c. a hundred on Friday, and finally closing the week at \$3.67½ to \$3.75. The average weight of the April hogs showed 216 average, which is ten pound lower than that of one year ago, which showed 226. The past March's average

was also only 216 lb average. On the whole, the prices of hogs this April was very satisfactory, the top price being \$4, when the top price corresponding month 1896 only \$3.80. The top bulk for the past month \$3.85 to \$3.95½, while the year 1896 showed bulk \$3.45 to \$3.75. Number of hogs shipped this week 7,807, that of the previous week being 8,000 hogs. The destination of shipments as follows: Milwaukee 13, Marshalltown 12, Chicago 11, Cudahy 7, Omaha 5, Cedar Rapids 3, Monterey, Mexico; Indianapolis and Ottumwa 1 each.

The large shipment of sheep fairly broke the market, and there were very few sales to record at \$5. Some fancy spring lambs of 52 lb average sold at \$5.17. Some clipped native lambs sold at \$5, but the balance of the sales all at lower prices. Some Western lambs of 75-lb average sold at \$4.20. Some native lambs of 76-lb average sold at \$4.40; 2,300 Colorado wool lambs sold at \$4.90. A mixed lot of Colorados, 94-lb average, sold at \$3.75. Some Texas lambs of 74-lb average went at \$4. Some 500 mixed Arizona's, 90-lb average, went at \$3.90; another bunch of mixed Arizona's went at \$4. Some New Mexico of 102-lb went at \$4.35. One of the largest purchasers and feeders in Nebraska, who last year purchased about 100,000 sheep in New Mexico, has agents scouring that country for lambs, offering for them \$1 per head. This is a good price—but he cannot effect many purchases, as holders are firm in asking \$1.50, and think they will go that this fall.

CHICAGO NOTES.

Judgment by confession has been entered against the A. L. Luetgart Sausage & Packing Co., for \$20,110, in favor of Foreman Brothers Banking Company, who took possession of the entire plant of the corporation under a chattel mortgage. Later the company assigned to Judge William A. Vincent. The action of the bank was taken owing to the failure of a scheme to sell the plant of the corporation to an English syndicate. In order to do this bonds were issued and a trust deed placed on the property. This, it is stated, has had the effect of injuring the credit of the concern. The assets were placed at \$254,000, while the liabilities are said to be about \$80,000.

The stockholders of Libby, McNeill & Libby, packers, held a meeting last week and voted to increase the capital stock from \$600,000 to \$1,000,000. The extra capital is to be used for working purposes. The business of the company is reported to be growing and additional working funds were deemed

(Continued on page 18.)

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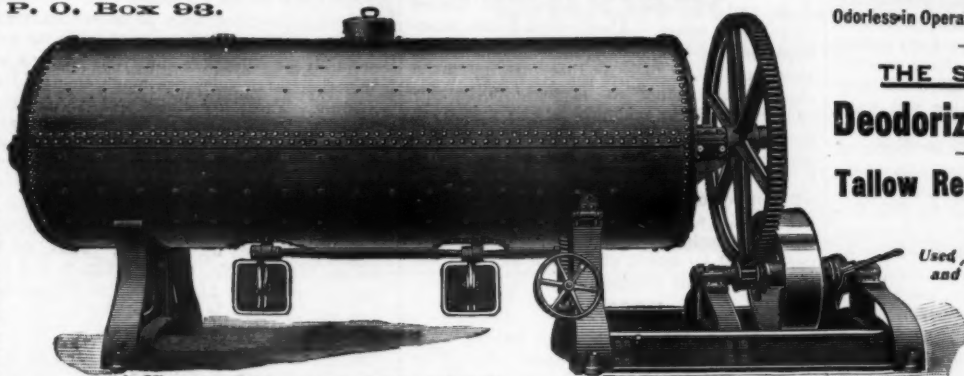
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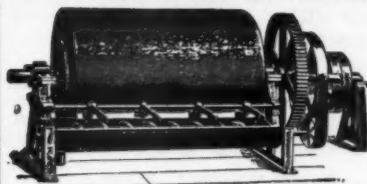
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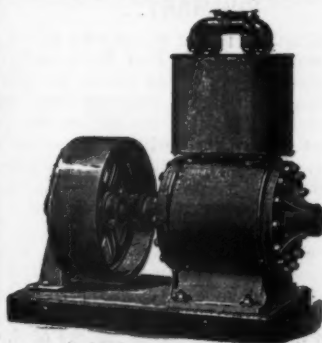
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HIDE AND SKIN MARKETS.

CHICAGO.

PACKER HIDES.—The market during the past week has offered about the lightest provocation to do business that can be recalled to the memory of the oldest inhabitant. The scarcity of stock maintains quotations but is positively the only excuse for existing prices. It seems as though nobody wanted to buy. The conservative, though somewhat monotonous pastime of "watching and waiting" characterizes the situation. The U. S. Leather Co. purchased a couple of blocks of stock last week, but aside from this there was little doing. The situation calls to mind that famous sentiment expressed by His Excellency of North Carolina, which doubtless strikes a responsive chord in the breasts of hide sellers and buyers to-day.

No. 1 NATIVES, 60 lb and up, are offering at $8\frac{1}{2}$ @ $8\frac{3}{4}$ c. Considerable stock still reported to be on hand.

No. 1 BUTT-BRANDED, 60 lb and up, are quotable at $7\frac{1}{2}$ @ 8 c.

COLORADO STEERS, 60 lb and up, are selling at $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

No. 1 TEXAS, 60 lb and up, are offering at $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.

No. 1 NATIVE COWS, 55 lb and up, free of grubs and brands, are offering at $8\frac{1}{2}$ @ $8\frac{3}{4}$ c. Under 55 lb, $8\frac{1}{2}$ @ 9 c.

BRANDED COWS are closely sold up at $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.

NATIVE BULLS are in light demand at $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

COUNTRY HIDES. If the avenues of supply were not destitute of offerings there would indeed be hides to incinerate, as the disposition to bid is conspicuous by its absence, and the tendency to buy is but a trade memory.

No. 1 BUFFS, 40 to 60 lb, free of grubs and brands, are quotable at $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; No. 2, $7\frac{1}{4}$ @ $7\frac{1}{2}$ c.

No. 1 EXTREMES, 25 to 40 lb are offering at $8\frac{1}{2}$ @ 9 c.; No. 2, $8\frac{1}{4}$ c.

No. 1 NATIVE STEERS, 60 lb and up, free of grubs and brands, are quotable at $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; No. 2, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c. The demand is painfully light.

BRANDED STEERS are closely sold up at $7\frac{1}{2}$ @ $7\frac{3}{4}$ c. None available.

HEAVY COWS, 60 lb and up, free of grubs and brands are offering at $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; No. 2, 7c.

BRANDED COWS are in some request and quotable at $7\frac{1}{2}$ @ $7\frac{3}{4}$ c. flat.

NATIVE BULLS are light in supply and demand and are selling at No. 1, 7c.; No. 2, 6c.

CALF SKINS are decidedly weak and quotable at 10c. for No. 1 and $8\frac{1}{2}$ c. for No. 2. It is claimed that No. 1 city skins are offering at $9\frac{1}{2}$ c., but the rumor is unsupported.

KIPS, 15 to 25 lb are offering at $8\frac{1}{2}$ c. Tenders of stock at $8\frac{1}{2}$ c. are reported.

DEACONS, $37\frac{1}{2}$ @ 40 c.

SLUNKS, $20\frac{1}{2}$ @ $22\frac{1}{2}$ c.

HORSE HIDES, \$2.75.

KANSAS CITY.

The tone of the packers last week was much improved by the sale of Texas steers and cows. Before the sale was consummated it would look for several days as if the branded market would surely go lower; some sales of branded cows were made in Chicago at 8c., and it looked very much as if Texas steers would follow suit; however, when the tanners stepped in and purchased some, the situation was changed and the packers are again firm in their views of $8\frac{1}{2}$ c. for all weights Texas; and sales have already been made the present week of branded cows at

$8\frac{1}{2}$ c. Butt-brands and Colorados are very slow of sale, the stocks are not large, and although the present offerings being April are mostly of the short haired kind, still $7\frac{1}{2}$ c. is the best offers that can be obtained to-day for bulls; this is fully $\frac{1}{2}$ c. lower than the long haired March sold for. Colorado steers are also slow of sale, and 7c. full market for even April take off. Native steers have no life in them and the views of sellers and buyers very much apart. About twenty-five thousand could be moved at 8c., when the packers' views are $8\frac{1}{2}$ c.; there is therefore not much chance for trading at present, unless the packers accede to evidently what seems to be the inevitable; or the condition of the general trade in the country warrants the tanners to pay what the packers are now asking. It will not be surprising to see a large block selling at $8\frac{1}{2}$ c. at any time. The bulk of heavy native cows in this market are held by one packer and he would gladly sell at $8\frac{1}{2}$ c., but this price is not obtainable.

BOSTON.

Business is very slack, with buyers wary and holders indifferent. Unless affected by unforeseen conditions the advance of summer is likely to be responsible for conditions more apathetic than those now prevailing. We quote:

BUFF HIDES, 8c.

NEW ENGLAND HIDES, $7\frac{1}{2}$ c. flat.

CALF SKINS.—Despite the light supply the market is easier.

PHILADELPHIA.

Nothing prevails in this market but brotherly love. Prices are steady and traffic, like the office boy's Christmas presents, principally "nit."

CITY STEERS, $7\frac{1}{2}$ @ 8 c.

CITY COWS, $7\frac{1}{2}$ @ 8 c.

COUNTRY STEERS, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

COUNTRY COWS, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

BULLS, all weights, 7c.

CALF SKINS.—Market weak and susceptible of offers.

NEW YORK.

CITY SALTED HIDES.—Receipts have been indifferent, both as to quantity and quality. Sales have been light. A prominent broker says that "it would require a whole barrel of a well-known sarsaparilla to relieve that tired feeling that prevails in local hide circles." The following quotations are virtually nominal:

No. 1 NATIVES, 60 lb and up, are offering at $8\frac{1}{2}$ c.; $8\frac{1}{4}$ c. bid.

GRUBBYS, trimmed and salted, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

BUTT-BRANDED STEERS, 60 lb and up, $7\frac{1}{2}$ @ 8 c.

SIDE-BRANDED STEERS, 60 lb and up, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

COWS, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.

BULLS, 7c.; branded, $5\frac{1}{2}$ c.

COUNTRY COWS, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c. flat.

CALF SKINS.—Receipts are light. Prices maintained, No. 1, 14c.; No. 2, 12c.

HORSE HIDES, \$2.25@ $2\frac{1}{2}$ c.

SUMMARY.

It is claimed by people whose long and influential connection with New York leather interests should entitle their opinion to some consideration, that if the projected duty on hides becomes a law, that the leather export business of this country will be transferred to Canada. That country, so far as the supply of bark is concerned, is admirably adapted for tanning purposes although in respect of shipping and general facilities it is not on a competitive basis with the United States. The present export business amounts to several millions of dollars annually and the trade is steadily growing with the advance of time. In view of these conditions the passage of the

bill must necessarily exert a disastrous and generally felt effect over the sole leather industry of this country. It is estimated that large numbers of tanneries now actively employed would fall into disuse and thousands of men at present deriving their support from their employment in these tanneries will be compelled to drift into other channels. The effect of such a law on the large stock leather corporations whose dividends "are estimated but not guaranteed" can be better imagined than described. Leather continues to be sold nominally at old prices, but it is safe to assume that large sales are made on a sliding schedule. These are times when a fraction of a cent is an easily adjusted difference and commissions are indeed a "Balm in Gilead" to long-suffering brokers.

CHICAGO PACKER HIDES.—

Native steers, 60 lb and up, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; butt-branded, 60 lb and up, $7\frac{1}{2}$ @ 8 c.; Colorado steers, 60 lb and up, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; Texas, 60 lb and up, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; No. 1 natives, 55 lb and up, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; under 55 lb, $8\frac{1}{2}$ @ 9 c.; branded cows, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; native bulls, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.

CHICAGO COUNTRY HIDES.—

No. 1 buffs, 40 to 60 lb, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; No. 2, $7\frac{1}{4}$ @ $7\frac{1}{2}$ c.; No. 1 extremes, 25 to 40 lb, $8\frac{1}{2}$ @ 9 c.; No. 2, $8\frac{1}{4}$ c.; No. 1 native steers, 60 lb and up, No. 1, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; No. 2, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; branded steers, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; heavy cows, 60 lb and up, No. 1, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; No. 2, 7c.; branded cows, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; native bulls, No. 1, 7c.; No. 2, 6c.; calf skins, No. 1, 10c.; No. 2, $8\frac{1}{2}$ c.; kips, $37\frac{1}{2}$ @ 40 c.; deacons, $37\frac{1}{2}$ @ 40 c.; horse hides, \$2.75.

NEW YORK.—

No. 1 natives, 60 lb and up, $8\frac{1}{2}$ c.; grubbys, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; butt-branded steers, 60 lb and up, $7\frac{1}{2}$ @ 8 c.; side-branded steers, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; cows, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; bulls, 7c.; branded, $5\frac{1}{2}$ c.; country cows, $8\frac{1}{2}$ @ $8\frac{3}{4}$ c.; calf skins, No. 1, 14c.; No. 2, 12c.; horse hides, \$2.25@ $2\frac{1}{2}$ c.

BOSTON.—

Buff hides, 8c.; New England hides, $7\frac{1}{2}$ c. flat.

PHILADELPHIA.—

Country steers, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; country cows, $7\frac{1}{2}$ @ $7\frac{3}{4}$ c.; country bulls, 7c.

HIDELETS.

NEW YORK CITY.

Clifford L. Lutkins, of the Gold street sheepskin firm of that name, sailed for Europe on the Umbria on Saturday the 3d inst., for a six weeks' business trip.

The well-known upper leather tanning firm of Chas. Hauselt will in the future be represented in the West and Northwest by Thomas P. Hill.

It is reported that Hugh Smith, the well-known tanner of patent leather, Newark, N. J., is seriously ill.

E. Zohrlaut, of the Herman Zohrlaut Leather Co., Milwaukee, Wis., was a recent visitor to the Swamp.

Zeigel, Eisman & Co.'s new tannery at Newark, N. J., is nearing completion.

Keck, Mosser & Co., the well-known sole leather tanners, have established a new branch house at Haverhill, Mass.

The new tannery of the Mark Mahon Leather Co. is now in process of erection, and will be located at the corner of McWhorter and Kinney streets, Newark, N. J.

David Pierson, formerly with the U. S. Leather Co., has accepted a position with the Herman Zohrlaut Leather Co., Milwaukee, Wis.

Henry Burk, the Philadelphia tanner, will sail for Europe on the St. Louis, May 12. He expects to be away about four months.

Imported hides are now being sold subject to duty should the projected tax become a law.

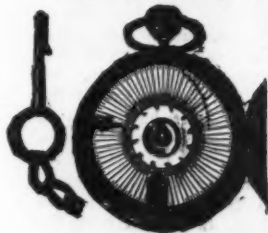
C. Moench, Sr., of C. Moench & Sons, the sole leather tanners, of Cattaraugus, N. Y., sailed to-day (May 8) for a visit to Europe. He is accompanied by his wife and daughter.

WRITE US FOR PRICES

ON CARLOAD LOTS OF

Dressed Beef, Mutton, Veal and Hogs,
also Sweet Pickled and Smoked
Meats, Kettle-Rendered Lard,
etc.We are in the great Iowa cattle and hog
belt and think we can do you some good.**TRI-CITY PACKING & PROVISION CO.**

Manufacturers and Jobbers.

DAVENPORT, IOWA.**Hahn's Latest Improved WATCHMAN'S TIME DETECTOR.**
WITH SAFETY LOCK ATTACHMENT.Highest Award at
Columbian Exposition. This clock is
neat, thoroughly reliable and very durable. Cannot be
tampered with. Price moderate. Is
adapted for 6, 12 or
18 stations, having
a different key for
each. Registering
is done by numbers
from 1 to 6, 1 to 12
and 1 to 18, each station
having its number. No chance for
a fraudulent record here. Old style Detectors mark by
holes or an impression on dial, the same for all stations.
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prices and further particulars.Hahn's Latest Improved WATCHMAN'S TIME DETECTOR.
WITH SAFETY LOCK ATTACHMENT.
Hahn's Latest Improved WATCHMAN'S TIME DETECTOR.
WITH SAFETY LOCK ATTACHMENT.**THE RED BOOK.****WOLF, SAYER & HELLER,**LEADING MANUFACTURERS,
IMPORTERS AND EXPORTERS OF FINE**SAUSAGE CASINGS** OF
ALL KINDS.

EXTRA WIDE SHEEP CASINGS OUR SPECIALTY.

All our Casings are cleaned at our own Factories under our Personal Supervision.

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AUSTRALIA.Cathedral Square, Christchurch,
NEW ZEALAND.**Insulating Paper.**

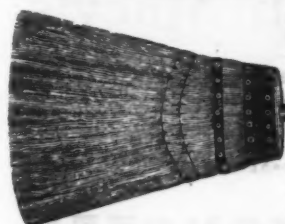
Guaranteed Pure Manilla Rope.

Made Especially for Lining Refrigerators,
Cold Storage Buildings, Refrigerator Cars,
Ice Houses, and Drying Kilns.

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PAPER MAKERS,

Nos. 12 and 14 Decatur St., Philadelphia, Pa.

**No. 4 Rattan Reed and Broom Corn Mixed Broom.**

For Heavy Work, Packing Houses, Warehouse, Meat Market, Etc.

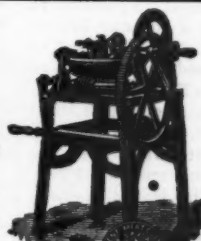
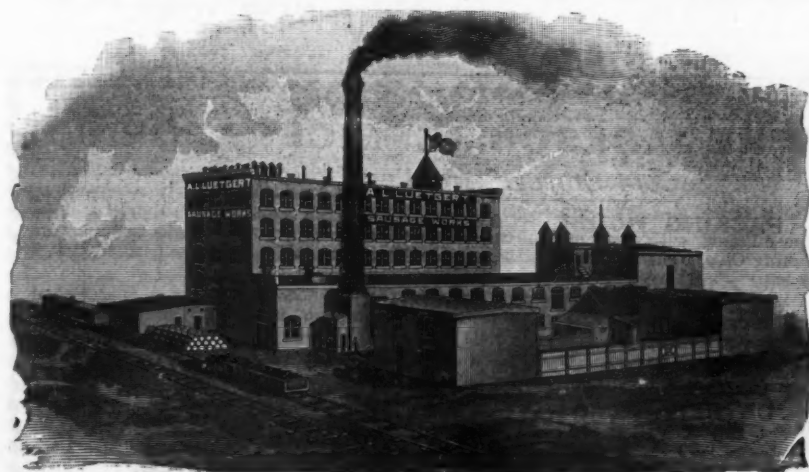
Where hard sweeping and scrubbing
is needed to be done.The fastening holds the material solid, does not work loose on the handle or come to pieces in work but
will wear down. We make push brooms, Bass, Rattan, and Steel Wire. Prices on application, and trial
orders solicited.**JOS. LAY & CO.,** Manufacturers, Ridgeville, Ind.2,000
Machines Sold
OF**NEW SILENT
MEAT CUTTER.**

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TELEPHONE,
LAKE VIEW 217.**CHICAGO, ILL.**

Manufacturers of all kinds of

**German, Italian and French
Sausages.**

CHICAGO NOTES.

(Continued from page 14.)

necessary. The old directors were retained, but the board was increased from seven to nine members. The new directors are F. R. Kaufman of Marquette, Mich., and Edward Tilden of Chicago. Mr. Tilden is assistant cashier of the Drovers' National Bank. No changes were made in the offices, with the exception of that of treasurer, Mr. Tilden being elected to that position. The new capital, it is understood, will be subscribed for by the principal shareholders in the company. The full board of directors is as follows: G. F. Swift, L. F. Swift, E. F. Swift, L. A. Carlton, W. F. Burrows, A. H. Veeder, W. C. D. Grannis, F. R. Kaufman and Edward Tilden.

THE SENATE TARIFF BILL.

The tariff bill was reported to the Senate Tuesday by the Finance Committee and differs considerably from the bill passed by the House and presented to the Senate. The retroactive clause is stricken out and the time for the bill to take effect is July 1 next. The bill will be taken up by the Senate May 17.

HIDES.—The following is the provision in regard to hides, which are transferred from the free list: "Hides of cattle, raw or uncured, whether dry, salted, or pickled, 1½c. per lb, provided that upon all leather exported made from imported hides there shall be allowed a drawback equal to the amount of duty paid on such hides."

CATTLE.—The rate on cattle importations is changed so as to provide for a duty of \$4 per head on cattle not valued at more than \$10, and \$8 per head where the value is greater. The House bill made a uniform rate of \$8.

FISH.—The paragraph in regard to fish, packed in oil or otherwise, is entirely changed, and provides that anchovies, sardines, sprats, etc., packed in tins, boxes or cans, shall be dutiable, as follows:

In boxes or cans containing 7½ cubic inches or less, 1½c. per box or can; containing not more than 21 cubic inches, 2½c. per box or can; containing not more than 33 cubic inches, 5c. per box; containing not more than 70 cubic inches, 10c. per box; if in other packages, 40 per cent. ad valorem. All other fish, in cans or boxes, of less than half a barrel, and not specially provided for, 30 per cent. ad valorem. Fresh water fish, not specially provided for, ¼ of 1c. per lb instead of 1c., as provided in the House bill. Herrings, pickled or salted, ½ of 1c. per lb instead of 1c.; herrings, fresh, ¼ of 1c. instead of 1c. per lb; mackerel or salmon, pickled or salted, and other fish pickled in barrels or half barrels, 1c. per lb.

There is a new paragraph relating to this character of fish. The general House rate was 1½c. per lb. The Senate addition provides for ¾c. per lb on smoked, dried, salted, pickled, frozen fish prepared for preservation, and fresh fish not otherwise especially provided for. The Senate bill strikes out the House provision for an additional duty on any country "or dependency" which pays an export bounty on fish; and also the House paragraph providing for a duty on cans containing shell fish.

FRESH MEATS.—In the meat list, veal is added to the beef paragraph and made dutiable at 2c. per lb. The paragraph is changed so as to make the rates specifically applicable to fresh meats. Game is also added to the dutiable list at the rate of 2c. per lb.

BORAX.—The House paragraph rating borax at 2c., and refined at 3c., is replaced by one making borax dutiable at 5c.

COTTONSEED OIL.—The duty is changed from 7c. (House bill) to 4c. (Senate bill).

HOGS.—\$1.50 per head.

SHEEP.—One year old or over, \$1.50 per head; less than one year old, 75c. per head.

All other live animals not specially provided for in this act, 20 per cent. ad valorem.

BUTTER, and substitutes therefor, 6c. per lb.

CHEESE, and substitutes therefor, 6c. per lb.

BACONS AND HAMS, 5c. per lb.

FRESH BEEF, VEAL, MUTTON AND PORK, 2c. per lb.

Meats of all kinds, prepared or preserved, not specially provided for in this act, 25 per cent. ad valorem.

DEAD GAME AND GAME MEATS, 2c. per lb.

Extract of meat, not specially provided for in this act, 35c. per lb.; fluid extract of meat, 15c. per lb.

LARD.—2c. per lb.

POULTRY.—Live, 3c. per lb; dressed, 5c. per lb.

TALLOW.—1c. per lb wool grease, including that known commercially as degreas or brown wool grease, ½ of 1c. per lb.

CHICAGO PROVISION MARKET.

Since our last report the speculative provision market has ruled slow and with a somewhat lower range of values. Thursday of last week saw the highest prices, and to-day (Wednesday) the lowest. The close was at a slight rally from bottom figures; the range in prices for the week on the July option was 35c. a barrel on pork, 22½c. per hundred on lard and 15c. per hundred pounds on ribs.

There have been a number of causes to bring about this decline, but the two principal ones are the lack of outside speculative interest in the market and the decided increase in the receipts of hogs, both at Chicago and at the other principal packing points.

On Monday the actual receipts of hogs were 46,000, being 11,000 more than the estimates, and prices at the yards were a strong 10c. lower. Other days the receipts were over the estimates, but not to as marked an extent as on Monday. It is almost impossible to make a bull market out of a dull and lifeless one without a good speculative trade and in the absence of bidders, product is offered at lower prices in order to effect sales, and a lower range of values is the result. But speculators must not lose sight of the fact that very strong parties are working on the bull side of the market and are liberal buyers on all weak spots. The English houses, namely, the Continental, International and Anglo-American Packing Co., have been pronounced bulls for some time, and have probably accumulated quite a good sized line. Lately the Cudahy Packing Co. has been persistent and steady buyers, and are talking

(Continued on page 38.)

COTTONSEED OIL.**WEEKLY REVIEW.****A NOMINAL, WEAK MARKET**

is all there has been to record in any grade of cotton oil since our last. As indicated then, the free purchases last week for export were largely to cover April short sales; this demand being filled, there have been no orders left in the market for export account, and even 24c. has not been obtainable, for anything more than small lots, so far this week, while 23¾c. has been accepted in some cases, though the nominal asking price has been 24½c. in round lots in New York for prime summer yellow. This is absolutely all that had been reported up till the close of Wednesday since our last, and the aggregate, including 900 bbls. late last week, was only 1,300 bbls. at 23¾@24c., against 24c. for round lots and 24½c. for jobbing lots at the close last week. These sales have been to the local trade and to fill freights, while in crude 20c. has been bid and 21c. asked for strictly prime, without transactions reported in New York, and only a few tanks at the Atlantic coast at 16½c., or ½c. off from the prices of last week, at which there were then more buyers than sellers, while there have been more sellers at 17c. this week and less

**Josiah Macy's
Sons,**

Receivers of

**COTTONSEED
OIL**

CRUDE AND REFINED.

**191 Front Street
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THE JACKSON REFRIGERATOR CO.
Cold Storage Architects and Engineers.

PACKING HOUSE PLANTS. We make plans for modern Packing House Plants, with machinery of the latest design for Killing, Rendering, Refining and Making Oleo, Neutral, Glue, Fertilizer, etc. Our plants embody all the most advanced ideas.

MECHANICAL REFRIGERATION. We design complete, mechanical Cold Storage Plants, with valuable improvements in insulation, ventilation and mechanical equipment.

VENTILATION. We make the ventilation of machine refrigerated houses a specialty. Fresh air without condensation or fluctuating temperatures.

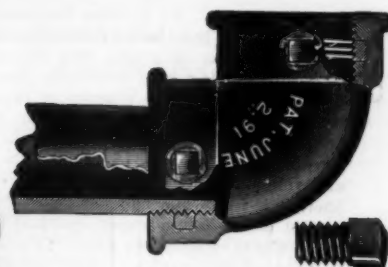
ICE REFRIGERATION. Our new low temperature ice system gives a dry air at 32 degrees, and is unequalled for carrying perishable goods. It produces a purer, sweeter air and better results than most machine houses.

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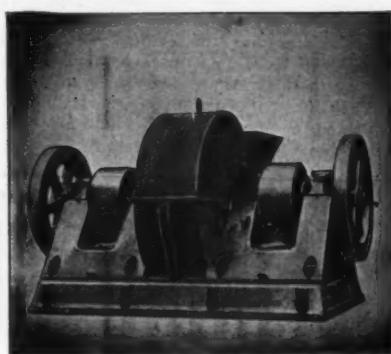
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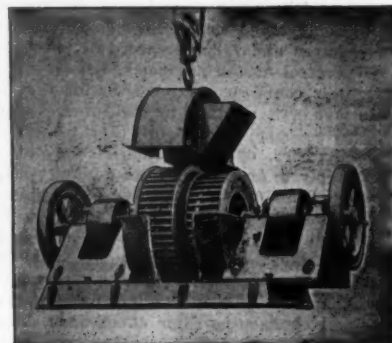
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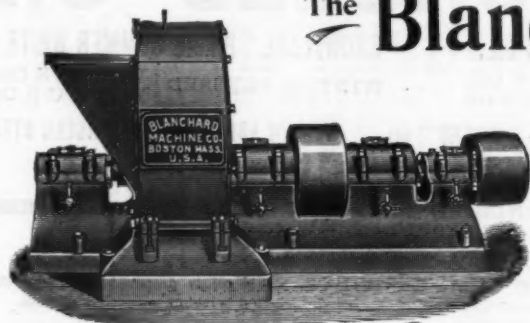
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It is the result of scientific design, backed up by careful tests and long experience. It is not everybody that can build a Disintegrator that will give satisfaction under severe conditions and hard service. To accomplish this result

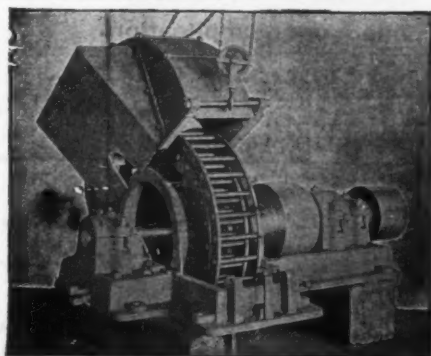
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We manufacture all machinery for equipping Fertilizer Plants complete, including Mixers, Elevators and Screens of every description, Automatic Cars, etc. Experienced Engineers furnished to lay out work. Blue prints furnished and estimates given.

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buyers at 16½c. As to other Southern markets, nothing has been reported, either in crude, refined or off grade, New Orleans and Galveston having been nominally ½c. lower than last week, in the absence of export demand, and no inquiry reported from refiners at Mississippi Valley points or on the coast. The big sale last week of 12,000 bbls. crude and yellow all went to one big Louisville refiner, it is said, who had not believed in the market on the late advance, and had held off until obliged to replenish stock. This was the occasion of last week's activity for refining, all, practically, that was done going to this one refiner. Further than this there has been nothing new or of interest in the market, either as to the situation at the South or the position abroad, the stimulus to last week's activity, both export and domestic, having been exceptional, as explained above. Holders, however, have not pressed sales, in face of further delayed planting of cotton, owing to continued floods, although the continued decline in lard has seemed to have a depressing effect upon buyers. While the chief buyer last week was the Kentucky Refining Company, the largest seller was the Southern Cotton Oil Company, and these two big concerns being taken out of the market this week as buyer and seller respectively, has left it in control of the producers, who seem to have less confidence in the situation than a week ago. In relation to the inferior quality of Mississippi Valley oil this year, President Butcher, of the Southern company, said in reply to an inquiry from a New York refiner as to its cause, that it was due largely to the unusually woody growth of the cottonseed hull last year, owing to extreme dry and hot weather last summer, which had given the oil a rank flavor. He also attributed this flavor, in part, to the late top crop last year, which had the same effect upon the oil produced in that section. There was no further business or news or gossip up to Wednesday's close in these markets, North or South, the Western refiners not having been heard from, and they seem to be no longer a factor in the market for cotton oil, or, if so, a latent rather than an active one, with little prospect of any change so long as lard itself remains so cheap and shows no ability to advance and stay at any higher level.

(For Later Report see Page 40.)

BUSINESS CHANGES.

J. E. Boudette has purchased the meat business in Lawrence, Mass., of Charles Holmes.

J. H. Comstock has sold his meat market in Burlington, Vt., to T. P. O'Neil.

A. O. Gandy has purchased the interest of A. C. Meyer in the firm of Gandy, Meyer & Co., Jacksonville, Fla.

George Morris and William F. Newman have formed a co-partnership and purchased I. G. Miller's meat market in Little Falls, N. Y.

G. W. Buzzard, of Reynoldsville, has purchased the market of Henry Fritz in Brookville, Pa.

Parke & Co., meats, etc., Winsted, Conn., has sold out.

Joseph E. Bacon, of Joseph E. Bacon & Co., meat market, Middletown, Conn., has received a warranty real estate deed.

TESTIMONIAL TO MR. T. A. ADAMS.

Swift's Clerical Force Will Present the Retiring Superintendent With An Autograph Album.—Loyal Expressions for Mr. R. A. Parker, His Successor, at the Banquet at the Marlborough.

Mr. T. Albeus Adams, for many years superintendent for Swift & Co., in the eastern district, and financial manager for G. F. & E. C. Swift, in New York and vicinity, entertained a number of his clerical staff, in parlors A and B of the Hotel Marlborough, on Tuesday evening, the 4th inst. He had invited them to meet himself and his successor, Mr. R. A. Parker, the occasion being Mr. Adams' retirement from the service of Swift & Co. The bookkeepers and assistants, to the number of fifty, gathered before 9 p. m., at which time Mr. Adams called them to order and in a neat speech thanked them for the valuable assistance they had always rendered him and for the cordial support which they had given him. Mr. Witbeck, who acted as master of ceremonies, then introduced Mr. J. Regan, who spoke in behalf of the bookkeepers. He expressed sentiments of regret on Mr. Adams' retirement after so many years of service together, and pledged to Mr. Parker the same loyal support they had always accorded Mr. Adams. Mr. C. W. Hall, in behalf of the assistants, in a happy speech,

reiterated the sentiments expressed by Mr. Regan, as did also Mr. Thomas Mitchell, of Newburgh, in the name of the out-of-town contingent, and Mr. Hayden representing the employees of the general office.

Mr. P. J. Kenny, speaking for a number of the ex-employees, who had expressed a desire to be represented, said among other things, that while all preceding speakers had expressed a very great deal of regret at Mr. Adams' departure, he above all others felt that he had great cause for self-congratulation, inasmuch as he was for the future to be closely associated with Mr. Adams in the firm of Adams & Co. Mr. Witbeck then introduced Mr. R. A. Parker, who succeeds Mr. Adams as superintendent. Mr. Parker spoke in unmeasured terms of praise of Mr. Adams' administration, and in closing solicited the same earnest support from the clerical staff that they had rendered to Mr. Adams. Like all the preceding speakers, Mr. Parker's remarks were greeted with great applause. Mr. R. F. Butler then sprung the surprise of the evening by announcing that the clerical staff desired, to present to Mr. Adams a testimonial expressing the high regard and esteem in which they held him. Owing to the short time allowed them for preparation, they had not been able to have the work completed.

E. H. FERGUSON, President. A. C. WAGGENER, Treasurer. J. J. CAFFREY, Secretary.

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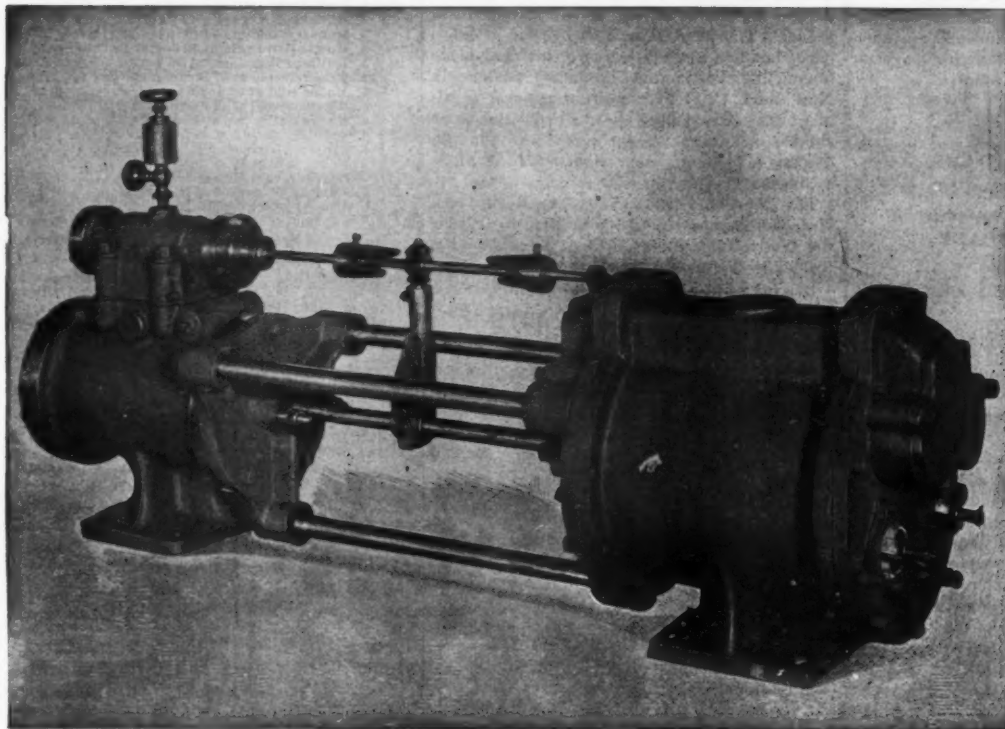
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The testimonial is to be in the form of an album, in which the address will be suitably engrossed, followed by the names of the various houses comprising the district and the names of the clerks attached thereto.

The binding is to be of a dark green seal skin. The work is in the hands of Scribner & Sons. The address and the title page as read by Mr. Butler were as follows:

TESTIMONIAL

to

MR. T. ALBEUS ADAMS,
Superintendent,

Upon his retiring from the service of
SWIFT AND COMPANY,
tendered to him

BY THE MEMBERS OF HIS CLERICAL
STAFF.

NEW YORK, MAY 1, 1897.

Mr. T. Albeus Adams, Superintendent.

Dear Sir:—We, the members of your clerical staff, whose names are hereto subscribed, have learned of your retirement from the office of superintendent for Swift & Co. in the New York district, which you have so long and so honorably filled, with deeply stirred emotions in which sincere regret and earnest congratulation strive for the mastery; with sincere regret, because there is not one of us who has been under your direction who does not feel but that in your departure, he has lost a counsellor and friend, for in truth there is none of us to whom you have not at some time or other, filled either or both of these kindly offices; for this do we sincerely regret your loss. With earnest congratulation, for upon your exit from the theatre of our labors, in which you, for so many years have been the central figure, you are to enter the field of independent effort where we feel assured that your undying energy, your great executive ability, your well-known business capacity and your sterling integrity must, and will win for you deserved and immeasurable success; for this do we extend to you our earnest congratulation. To those who are associated in social or business connection for any length of time the "parting of the ways" must and does bring its measure of sadness and pain, and now that you and we have reached the point where our respective paths diverge and trend in different directions, we wish to assure you that it is with genuine sorrow we watch you depart—a sorrow assuaged and relieved, however, by the knowledge that the path which you have so fearlessly and so confidently determined to tread, will but lead you to greater spheres of usefulness, wherein your talent and capacity shall find ample scope and be productive of prolific remuneration. In bidding you good-bye, we want you to know that you carry with you our hearty good-will and our best wishes for your unbounded success in your venture, only asking that amid the manifold cares that shall engross your mind, there will come once in a while for the sake of "Auld Lang Syne," a kindly thought for those who served with you as your clerical staff in the employment of Swift & Co. We bid you a hearty god-speed.

At the conclusion of the reading Mr. Adams was visibly affected and expressed his heartfelt thanks. He invited the gentlemen to the dining room adjacent, where a sumptuous collation was spread. An hour was pleasantly spent in discoursing viands, after which all joined hands and sang "Auld Lang Syne." Another hour was enjoyably passed with music and singing, in which Mr. W. Smith's rendition of "At Last You Came to Me" was notable. In breaking up Mr. Adams proposed three cheers for Swift & Co. and Mr. Parker. The assembled guests then gave three more for the retiring chief, Mr. Adams, which were

given with a hearty good will. Mr. Adams bade good-bye to each one there and to the singing of "Farewell" he shook hands with the departing guests as they filed out. Mr. Adams has taken charge of the business of Adams & Co., in which he is a large stockholder. The firm is less than a year in existence, but has already taken a forward place among the meat and provision dealers in New York City. It was the general sentiment that Mr. Adams would make the same success in Adams & Co.'s business that he has made in connection with Swift & Co.'s business.

The Messrs. Butler, Witbeck, Regan and Hall were appointed the committee to present the testimonial album to Mr. Adams at his residence Wednesday evening next.

THE DEPARTMENT ACTS.

It is Likely that Granite Block Will Be Used to Pave West Fortieth Street.

The business men, mostly meat dealers, of West Fortieth street, between Eleventh avenue and the North River, New York City, are in a fair way to have their just wishes relative to paving that thoroughfare with granite block granted, as the following letter will show. It will be remembered that "The National Provisioner" several weeks ago contained a lengthy article on this subject which included the petition to the Department of Public Works, with the signatures of the business men, and it was also then urged by this paper that the petition be granted. The business men affected will appreciate the Commissioner's action. Here is the letter:

New York, May 1, 1897.

J. G. Powell, Esq.

Dear Sir—Replying to the petition signed by you and the representatives of a number of business firms on Fortieth street from Eleventh avenue to the Hudson River, that the street be paved with granite instead of asphalt, as provided by an ordinance approved by the Mayor, March 30, 1897, I have the honor to inform you that I have communicated the request of the petitioners to the Board of Aldermen and have asked the Board to amend the ordinance by substituting granite block pavement, with concrete foundation, in the place of asphalt pavement. I will thank you to communicate this to the other petitioners. Very respectfully,

N. W. WILDS,
Deputy Com. of Public Works.

ROTTERDAM OLEO REPORT.

The following sales were cabled for the week ending May 7, 1897:

May 1. Morris Extra (100/150 tcs.) sold at 40 florins.
" 1. Midland sold at 36 florins.
" 3. Swift Extra sold at 40 florins.
" 3. Supreme Extra sold at 36 florins.
" 3. Monarch sold at 36 florins.
" 4. Morris Extra sold at 39 florins.
" 4. Brilliant Extra sold at 36 florins.
" 4. Monarch sold at 35 florins.
" 6. Modoc sold at 38 florins.
" 6. Harrison sold at 38 florins.
" 6. Morris Extra sold at 38 florins.
" 6. Swift Extra sold at 36 florins.
" 6. Supreme Extra sold at 36 florins.
" 6. Monarch sold at 35 florins.
" 7. Harrison sold at 38 1/2 florins.
" 7. Armour Extra sold at 38 florins.
" 7. Armour sold at 35 florins.
" 7. Knickerbocker sold at 27 florins.

Sales for the week 1,500 tcs. spot and 1,100 to arrive.
May 1. stock in first hands, 2,600 tcs.

Stock afloat, May 1.—Per stmr. Werkendam from New York, April 22, due May 4, 206 tcs.; per stmr. Oudam from New York, April 24, due May 8, 2,650 tcs.; per stmr. Veendam from New York, May 1, due May 13, 3,703 tcs. Total, 7,259 tcs.

May 1.—My London cable reports: Butter, market quiet and steady; Margarine, market quiet and steady. Imports into Great Britain for week ending April 24, 1897: 1896—Butter, 67,299 cwt.; margarine, 17,446 cwt. 1897—butter, 68,000 cwt.; margarine, 17,000 cwt.

Exports of Oleo Oil to Rotterdam.

May 1. Per Stmr. Veendam—Morris, 430; Eastman, 300; Swift, 390; Armour, 740; Wolf, 60; Cudahy, 75; Hammond, 120; United, 180; S. & S., 593; Dold, 65; Friedman, 315.

May 3. Per Stmr. Ohio—D. B. Martin, 240; Pitts. Prov. Co., 60; Balto. Stock Yards, 60.

Neutral Lard.

May 1. Per Stmr. Veendam—Swift, 500.

May 1. Per Stmr. Ohio—Armour & Co., 300; Morris, 300.

STOCKS IN NEW YORK AND LIVERPOOL MAY 1.

Stocks of new pork at New York on May 1: 1,871 barrels; old pork, 16,596; and 15,146 tierces of contract lard.

The total stock of lard in New York of all kinds May 1: 19,000; last month, 22,576; last year, 20,403.

Liverpool stocks, May 1: Bacon, 22,900 boxes; last month, 20,700; last year, 12,000. Hams, 3,400, 3,900 and 3,000 boxes respectively for those periods. Shoulders, 4,000, 4,000 and 2,900 boxes. Lard, 69,000, 63,000, and 49,000 tcs.

John H. McDonald & Co., provisions, Lawrence, Mass., mortgaged stock, fixtures, etc., \$450 and \$750.

Chas. B. Fosdick & Sons (in liquidation), skins, New York City; Charles B. Fosdick is dead.



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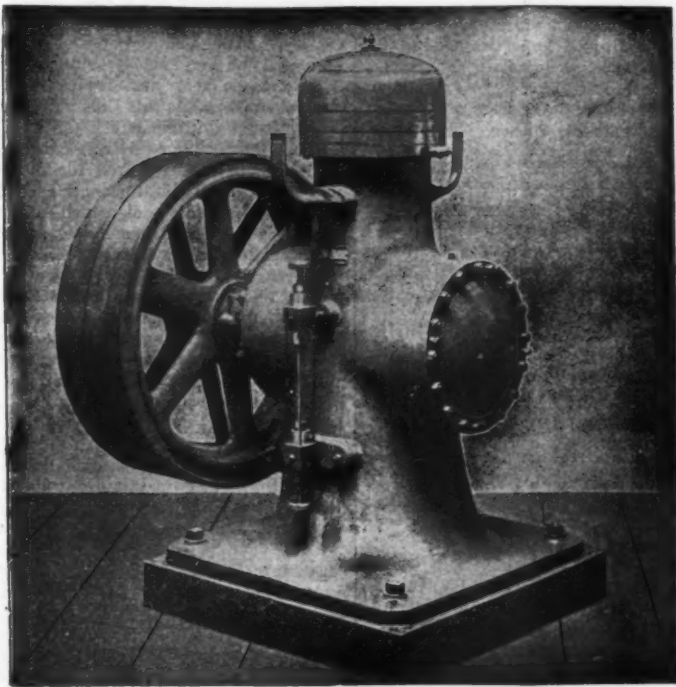
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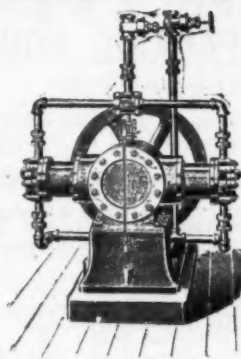
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**WANT AND FOR SALE ADS CAN
BE FOUND ON PAGE 45.**

TECHNICAL. THE PACKING HOUSE.

FOURTH SERIES.

Included in the series of articles on *The Packing House*, the following subjects have been exhaustively treated on the dates indicated:

- Dec. 26, 1896.—"The Manufacture of Sausage Casings and Packing Same."
Jan. 2, 1897.—"The Manufacture of Sausage Casings and Packing Same." No. 2.
" 9, 1897.—"The Manufacture of Sausage Casings and Packing Same." No. 3.
—"About Beef Extract."
" 16, 1897.—"On Cutting Meats (Pork)."
" 23, 1897.—"The Necessity of Cleanliness in the Handling of Perishable Products."
—"American Swine."
" 30, 1897.—"American Swine." No. 2.
Feb. 6, 1897.—"The Preparation of Blood Albumen."
—"American Swine." No. 3.
" 13, 1897.—"Proper Ventilation in Packing Houses."
" 20, 1897.—"Proper Ventilation in Packing Houses." No. 2.
" 27, 1897.—"Proper Ventilation in Packing Houses." No. 3.
March 6, 1897.—"Proper Ventilation in Packing Houses." No. 4.
" 13, 1897.—"Proper Ventilation in Packing Houses." No. 5.
" 20, 1897.—"Proper Ventilation in Packing Houses." No. 6.
" 27, 1897.—"Steer and Heifer Beef."
April 3, 1897.—"Steer and Heifer Beef." No. 2.
" 10, 1897.—"Manufacture of Oleo Oil."
" 17, 1897.—"Manufacture of Oleo Oil." No. 2.
—"Steer and Heifer Beef." No. 3.
" 24, 1897.—"Manufacture of Oleo Oil." No. 3.
—"Export Beef Trade." No. 3.
May 1, 1897.—"Manufacture of Oleo Oil." No. 4.

THE SCOURING OF WOOL.

The tendency of the packing industry is to bring its products more and more into the direct shape in which they are used by the consumer. Thus the finished product is cheapened to the consumer by cutting out the profit of various middlemen. This tendency is exemplified in many instances. For example, some of the most progressive members of the industry are now working up their tallow into soap, the glue stock is worked up into glue, extract of beef and digestive ferments are put up in packages to be sold directly to the trade, instead of in bulk to bottlers. By some the blood, tankage and bone meal is converted into fertilizer products ready to be applied directly to the crops.

During the last few years some of the packers, instead of selling their sheep pelts to wool pullers have been pulling the wool themselves, and quite recently one of the houses which the writer knows of, has extended this branch of the business, and now scours the wool pulled off the pelts, thus placing the wool clean into the hands of the textile manufacturer, ready for his preparatory machinery. This saves the manufacturer the profits of two handlers, besides, probably, considerable freight. For instance, the chances are that the pelt would have to be shipped to the puller. There would here be the freight on pelt and wool and the profit to the puller. From the puller it would have to be shipped to the scourer, with the additional freight and scourer's profit added to its cost.

With the packer doing his own pulling and scouring, these profits and freights are saved, for there is only the freight from the packer to the manufacturer, and this is on the clean product, where as by the former method the freight was paid on the wool in the grease. On wools of 50 per cent. shrinkage, which is about the lightest shrinkage for such pulled wools, this would mean a saving in freight alone of one-half. Inasmuch as this tendency of the packer to pull and scour his own wools has asserted itself, and the advantages to the packer are so apparent, and some inquiries concerning the process have been directed to us, a few remarks on the process of scouring wool will prove valuable to the trade.

The wool as it comes from the pelt consists of the wool and the impurities. These latter are soil, manure, seeds, hay, straw, etc., which adhere to the wool, and the smut, wool grease, or yolk, as it is variously called. The operation of scouring consists in removing these impurities, and having a clean, pure, free, open, uninjured product. For if the fiber has been in any way damaged in the scouring, its effects are apparent through all subsequent operations, and it is impossible to make of such wool a perfect fabric. So that the perfection of a fabric depends on the very first step, the cleansing of the wool, and hence this is an operation requiring care and judgment, particularly as the wool fiber is delicate and easily injured.

The first operation is a mechanical one, and consists in the removal of the loose dirt, seeds, etc., as far as practicable. This operation of removing the loose dirt is now effected by our large packers who do pulling, previous to the removal of the wool from the pelt. This is done by what is known as machine brushing, which removes not only the loose dirt, but also the water soluble impurities of the smut. This is effected by passing the pelt slowly through feed rolls, above which a large brush revolves, while at the same time a copious stream of water is played on the pelt. After passing through this process the wool looks clean and white as it is pulled from the pelt, but it still contains the smut, which must be removed by scouring. The wool, however, is ready to be scoured without further manipulation. Wool which has not been brushed still contains, after pulling, all the loose dirt which, as has been said, is removed mechanically before the wool is fed into the scouring bath. Inasmuch as the loose dirt may amount to from 25 to 50 per cent. of the total impurities, it is important to remove this as completely as possible by mechanical means to prevent fouling of the scouring liquors.

This loose dirt is then removed by a willow or some other form of duster. The willow consists of a rapidly revolving beater containing sharpened spikes in its periphery and enclosed in a box, the bottom and top of which is composed of screens. The top of the machine is connected with a fan. The wool is fed into the machine, and the rapidly revolving beater throws it against the top and bottom screens, through which the dust falls. That which passes through the top is carried off by the fan, while that which falls through

the bottom screen is carried through an opening in the bottom. When the wool has been judged to be long enough in the machine, a gate is opened in the back which allows the wool to pass out from the machine. Care and judgment must be used that the wool does not remain in the machine too long, or it will become tangled up, which makes difficulties for future operations. Another form known as the cone duster has a cone-shaped revolving cylinder with projecting spikes, the wool being fed at one end and ejected at the other. This may or may not be connected with a fan. The delivery and feed end are both always open, and this insures a uniform length of time during which the wool passes through the machine. For it can remain in no longer than is required for the wool to pass along the length of cone. Hence the danger of matting the wool, which exists in the previously described machines, is removed. The wool as it comes from the willow is open, free from the heavy dirt and manure it contained, and in its opened-up condition is in good shape to come in contact with the scouring liquor. It appears so much cleaner at this stage than in its original form that to the uninitiated it might appear clean, but it still contains all the smut, much hay seed, etc., and a great deal of manure.

It feels sticky and gummy to the touch, and possesses quite a disagreeable odor. In its final cleaned state the gummy feeling has disappeared, as well as the disagreeable odor, although it still possesses what is known as a "clean" smell. The wool is now ready for the scouring bath, which is a chemical operation, and which we shall describe in a separate article.

SAUSAGE RECIPES.

SWISS LANDJAEGER.

Eighteen pounds of lean pork and 12 pounds of fat belly are chopped up with salt and 1 oz. saltpeter, sufficient water added to make a stiff mass. Add 1½ oz. white pepper, ¾ oz. caraway seed and 150 grains of mace. Also a little garlic. Stuff loosely into narrow beef casings and twist off in pairs. Now put all the sausage on a table, one near the other, keeping the loose end under the sausage to prevent the mass escaping when pressed. Now put a board on top, weigh down and press one to two days until the sausage is flat and square. Smoke in cold smoke until brown and hard.

COLORING BLACK PUDDINGS.

To give puddings a nice black color there should be added 8 oz. of logwood to every 10 gallons of water in which they are boiled. Some use soda for the same purpose, but this is not very satisfactory on account of its causing them to burst while boiling.

SKINS FOR SAUSAGES.

For the commoner class of sausages it is well enough to use sheep skins, but for the best sausages nothing but the best pig skins should be used.

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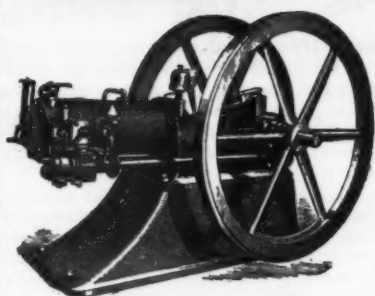
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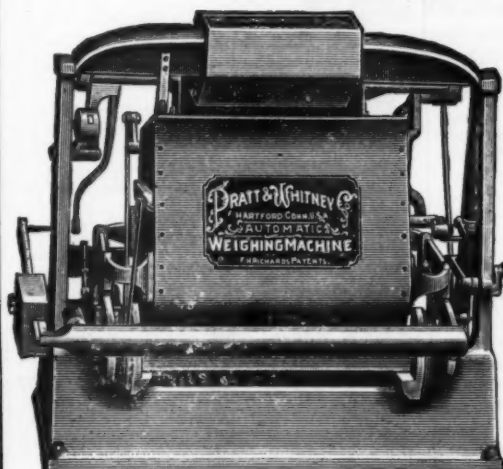
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WANT AND FOR SALE ADS can be found on PAGE 45.

TECHNICAL.

THE MANUFACTURE OF OLEO OIL.

No. 5.

Oil is like water. It expands with heat. A great many oil makers neglect the heat in settling the stock. If the stock is dropped from the melting kettle at 155° and allowed to settle fifteen or twenty minutes, the stock should be fully settled. A great many manufacturers do not use the middle, or cone kettle. The writer has done just as good work with only the small or settling kettle. We find sometimes that the man looking after the small kettles does not use his thermometer, or, perhaps, does not possess one. In the latter case it is a good thing to heat up the small kettles before the stock is let down into them. If after pressing the hands hard on the kettle you are unable to endure the heat until ten is counted, the kettle is too hot. If more than ten seconds can be counted the kettle is too cool.

Hold the stock at the temperature for two and a half or three hours before putting into seeding trucks. You will have a temperature of 135° to 140°, which will allow the stock to settle properly, and at the same time have no moisture at the bottom of the truck. When pressing is begun stock should not be allowed to stand around in kettle room, but as soon as it is drawn into seeding trucks it should be put in seeding room and not removed until properly seeded, at least forty-eight hours. A longer time than this is not necessary, except in extreme hot weather. You are under such circumstances, perhaps, obliged to hold it longer. The holding of the stock in seeding trucks for an excessive length of time entails an extra expense of trucks and space. If the stock is held too long, say ninety-six hours or more, particularly in a room which is too light, where the sun strikes on top of the trucks, the stock will bleach and get a tallowy flavor. The oil will soon turn and continue to get worse daily; the stearine will also turn.

The fact should never be forgotten that in letting down the stock from the kettles, also into the seeding trucks, that fine strainers are to be used. They can be made either of cheese cloth or tin, perforated fine. A frame may be made of light iron, two inches high, twice the width of the standard perforated plates, and exact length, the handles reaching over each side of seeding truck two inches. This is a cheap arrangement, and such a strainer may be dipped into hot water when it is immediately clean and dry, without further trouble. The settling and straining is one of the most important points. There is, however, no point in the process of manufacture at which the oil cannot be spoiled, unless proper care is taken.

An oil house properly managed should have a bath room for the operators. They should have two changes of overalls, which should be washed after each day's work. The overalls should be white, from the fact that they are sometimes carelessly washed in the same water with the press cloths. Blue overalls washed with press cloths is a repulsive thought. There should always be separate wash vats and wringers for the operators. A man who keeps himself clean shows that he knows his business, for perfect cleanliness in every respect is necessary to insure the manufacture of good oil.

(To be Continued.)

OUR YELLOW BOOK.
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SOAP MAKING.

No. 42.

Should it be desired to ascertain the quantity of caustic soda required, then the difference in the standard acid used is multiplied by 0.71. In the above case we should have $19.46 \times 2,278, 0.278 \times 50$ gives 13.9 as the percentage of caustic soda required to saponify tallow.

In the same way the Koettstorfer value or saponification equivalent of other fats and oils may be obtained, and, having got these, and knowing the actual strength in real caustic of the sample of commercial caustic soda he is using, the soap maker will be in a position to calculate the quantity of caustic soda or of caustic potash he must use to convert a given quantity of fat or mixture of fats into soap by either the cold process or by the pressure process.

Thus, supposing the soap maker wishes to make a soap from 1 cwt kitchen fat, having a Koettstorfer value of 13.5; 2 cwt. of tallow, with a Koettstorfer value of 13.9; 2 cwt. of coconut oil, with a Koettstorfer value of 18.4, and is using 74 per cent. commercial caustic, which contains 95.5 per cent. of real caustic soda—then we shall have to make the following calculations: The kitchen fat will take 100 : 13.5 : : 112 : 15.12 lb of caustic soda. The tallow will take 100 : 13.9 : : 112 : 15.56 lb of caustic soda. The coconut oil will take 100 : 18.4 : : 224 : 40.21 lb of caustic soda. Then we have 15.12, 15.56, 40.21, a total of 70.98 lb of caustic soda required to saponify the weight of fats given.

Next we have to calculate the quantity of commercial soda to be used. For this we have the proportion: 95.5 : 100 : : 70.98 : 74.3. There will therefore be required 74.3 lb of 74 per cent. caustic soda to saponify the fats taken.

In a similar way calculations may be made concerning other mixtures of fats and oils.

The Koettstorfer values or saponification equivalents of various oils have been given in previous papers of this series, and these may be taken without much error; but the soap maker is recommended to separately test each fresh batch of fats that he may be using, as they often vary considerably. The method of testing commercial caustics for their real strength has been given when dealing with alkalies.

There is another point which requires attention in making soaps by either of the two processes under consideration, and that is the proportion of water they must contain when finished, for it must be borne in mind that whatever water is added during the process of manufacture remains in the soap, and cannot be conveniently removed if an excess has been used, or added to if too little has been employed.

The soap maker must, therefore, if he desires to produce a soap with a given proportion of water, use only that quantity which will give him this result, and this, of course,

he adds along with his caustic in the form of lye. Thus, supposing that in working up the fats given in the sample above he wishes to produce a soap with 30 per cent. of water, he would make his calculations add the weight of fat employed to that of caustic used, and then work the proportion sum: 70 : 30 : : 446 + 74.3 : 223.9. He will, therefore, have to add 223.9 lb of water in making his soap. This water he will, of course, add to the caustic soda.

COLD PROCESS OF SOAP MAKING.

The process now to be considered is perhaps the simplest of all processes of making soap. It consists essentially in just heating the fats from which the soap is to be made sufficiently to melt them, then thoroughly mixing the melted fat with strong caustic lye, and then allowing the mixture to stand for a few days; the saponification of the fats proceeds, and at the end of the time stated is fairly complete and the soap is made. The plant required is of a simple character, and is probably the inducement for the process having come into use.

The advantages of the "cold process" of soap making may thus be summed up; it is very simple and easily carried out, requiring little labor and plant. Small quantities can be made by its means, which is not the case with the boiling process. The soap, too, has a better appearance than a boiled soap; further, it keeps its form better and does not crack so readily as a boiled soap. It is therefore better adapted for making tablets of toilet soap, for which purpose the cold process is chiefly employed. The yield of soap from any given weight of fat is larger on account of the fact that all the material used in making the soap remains in. The disadvantage of the cold process is that it is difficult—indeed, impossible—to secure complete saponification of the whole of the fat used; there is always

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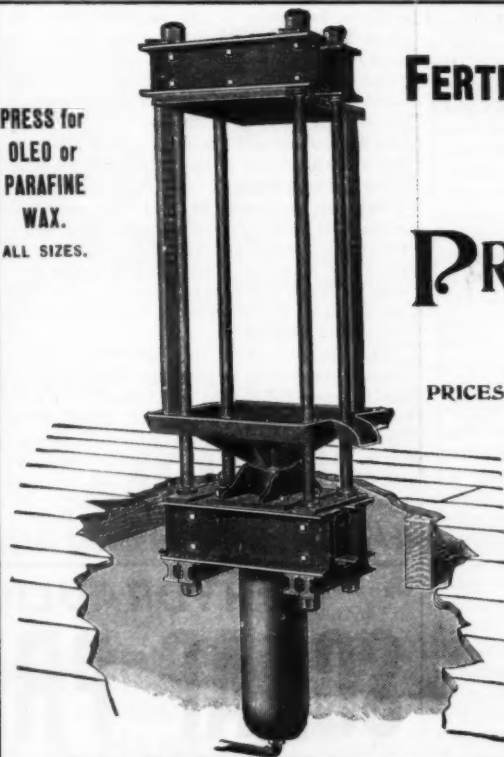
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TECHNICAL.

present in these soaps a small but variable quantity of free fat; then they also contain a little free alkali, which causes the soap to work harshly and feel sharp to many skins. The presence of the free fat may sometimes lead to the soap becoming rancid. Cold process soap, when exposed to the air, is rather liable to sweat, and dries up more easily than a boiled soap; it, therefore, does not look well when old. It, however, dissolves more freely in water, and therefore lathers better; for hard waters it is better suited than a boiled soap.

(To be Continued.)

ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS OR ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a *nom de plume* to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

J. W. F. KANSAS CITY.—We would like to see a sample of the oil which you make, or learn the details of the test which you apply showing that your oils and such others as you test never go above 32° or 33° hardness or titre, which, in this case, i. e., applied to oil or fat tests are synonymous terms. Oleo oils test rarely below 38° hardness; in fact, they are usually above this, and even considerably above. Stearines should not fall below 48°, but they are frequently sold under guarantee to test 50°, 51°, and even 52°. Regarding the temperature of the stock when pressed, we cannot give you the desired information, but you can readily see that you need only keep your stock warmer to obtain the higher titer tests of the oil as well as the stearine.

B. C. D., TOLEDO.—The best "bacon" hog is undoubtedly the "Berkshire." The "Poland China" is the most popular with the raiser on account of his attaining a marketable weight at a month earlier age, and might truthfully be termed the "lard hog." Thus it will be seen that both breeds have their uses.

C. R. N., BUFFALO.—The total cost of handling hogs in yards should never exceed one cent per hog, feed included.

SALESMAN, OHIO.—The decision of the government inspectors of hogs at the scales before weighing is final, and salesmen have no appeal therefrom.

W. J. McK., NEW YORK.—Properly handled, four hogs will yield one pound of cured No. 1 casings, worth about 25 cents, which on 1,000 hogs amounts to \$62.50, less, say, 2 cents per hog for handling, leaving a net result of \$42.50.

B. R. C., CHICAGO.—Your query was received too late for answer this week.

W. J. N., BALTIMORE.—The total number of cattle in the United States, according to returns in January last of the Department of Agriculture, was 46,450,135.

R. S. E., PITTSBURG.—According to the rules of the New York Produce Exchange, extra prime pork shall be made from heavy, untrimmed shoulders, cut into three pieces, the leg to be cut off close to the breast; to be packed 200 lb of green meat into each barrel, with the same quantity and quality of salt as mess pork. Rumps shall be trimmed with only enough taken off to make them neat and

smooth, the tails cut off close; each barrel to contain 200 lb of green meat, packed with the same quantity and quality of salt as mess pork, and the number of pieces to be similarly branded on each barrel at the time of packing.

J. B. R., TEXAS.—To procure the normal proportion of oil it is absolutely essential that the meal should be efficiently treated, which desideratum is only acquired by close attention, in the form of frequent tests of the meal and correct adjustment of the valves. These are generally recognized dogmas in oil mill ethics, and we should advise you, if you want to become thoroughly posted, to secure a copy of our "Yellow Book," which give the full details of the manufacture of cottonseed oil.

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

CORRESPONDENTS, SUBSCRIBERS AND OTHERS SENDING ITEMS FOR THIS COLUMN SHOULD MAIL THEM SO AS TO REACH THE EDITOR NOT LATER THAN THURSDAY EVENING.

Tallow-renderers, soap makers, glue manufacturers, fertilizer manufacturers, and cotton oil manufacturers should do well to make known their wants in this column, which would result in their being placed in immediate correspondence with the leading firms interested in these lines who carefully peruse these notes.

F. E. Seider's soap factory in San Francisco was recently damaged by fire to the extent of \$150.

Those interested in new industries, says the New York Tribune, may be glad to hear that it is possible to manufacture good soaps from sunflower seeds. Sunflowers grow easily and need little attention. A company has been organized in the United States to manufacture this sort of soap. It is claimed that the average yield of plants to the acre is 2,500 pounds gross; percentage of oil is one-third the weight of the seeds, so that 600 pounds of seeds will make 200 pounds of oil. The latter, when refined and ready for use in making soap, is worth about \$1 a pound, and is said to make the finest of toilet soaps. The net profit of the sunflowers to the grower is put at \$11 an acre.

The French olive oil producers, finding themselves unable to meet the competition of the cheaper cottonseed oils from America, have begun an agitation to have the tariff increased from 3½ cents a gallon to 7 or 8 cents. America sent to Marseilles last year 112,627 barrels of cottonseed oil, or nine-tenths of the entire amount imported.

(Continued on page 36.)

MR. GANZ'S MISSION.

The Departments of State and Agriculture are Interested.—Dr. Salmon of the Bureau of Animal Industry asks for Copies of Future Letters.—Germany's Attitude in Regard to American Meat Products Commented upon by the Daily Press.

Cable despatches received during the past week from Europe show that the German government is very much exercised about certain schedules of the Dingley tariff bill now being considered by the United States Senate.

In the Reichstag on Tuesday Count von Kanitz, the Agrarian leader, interpellated the government on the subject of the new tariff. He asked if the government wished to continue the agreement of 1891, and said the Dingley bill implied less the increase of the American customs revenue than the successive expulsion of European imports from American markets.

"The industry most prejudiced," said the Count, "is the German sugar trade. We should not exaggerate the consequences to ourselves of abrogating the 'most favored' nation clause, but we could give a preference to Russian against American petroleum, and place obstacles in the way of imports of maize, raw copper, bacon, hams, sausage and cotton from the United States, and the government, it is hoped, will take such measures as will tend to the advantage of our industry, commerce and agriculture and of the whole country."

Baron Marschall von Bieberstein, Minister for Foreign Affairs, said that as the United States tariff was still in suspense he would confine his remarks to the measures of the Imperial Chancellor, Prince Hohenlohe, to counteract the danger threatening German trade.

"But I cannot unroll a picture," he added, "and show how matters will shape themselves if the decisions of the United States House of Representatives become law."

Germany, he continued, had frequently obtained recognition of her rights from the United States by virtue of the Prussian treaty, for instance, in 1884, in connection with the Dingley shipping act, and also when

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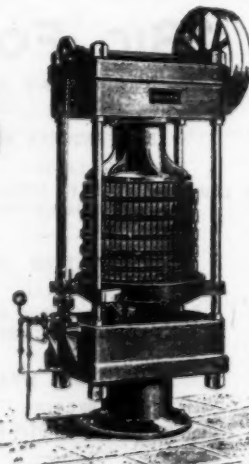
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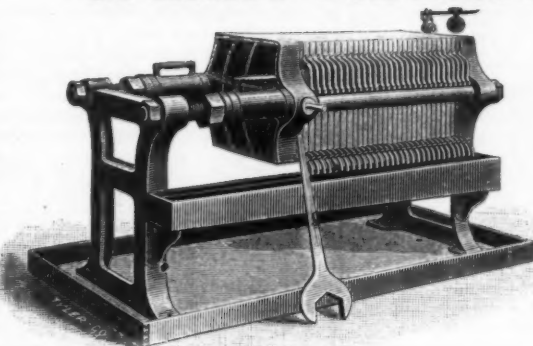
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the United States was upon the point of concluding a treaty with Spain, granting exemption from duty of sugar from Porto Rico. Prince Bismarck demanded that the exemption be extended without delay to Germany.

The Minister then explained that there were precedents on the side of the United States. The latter at the time of the negotiation of the Dingley shipping act had not raised objections to the Prussian treaty being still in force, and had also made representations in 1884 on account of alleged injury done by German railroad tariffs to American petroleum for the benefit of Russian petroleum. Upon that occasion the United States Minister, in a note to the Foreign Office, referred to the existence of the most favored relationship by virtue of the treaty of 1828, and added that the treaty was particularly applicable against any kind of differential treatment in the way of taxation or imports by one government to the detriment of the other.

"I confess," continued Baron Marschall von Bieberstein, "I fear that the view in America is that we have obtained the greater advantages from the treaties. That is a mistaken opinion, and if legislation is taken on that basis a disappointment will certainly follow. No doubt we are bound to give the United States the tariff reduction recently granted to Austria, and it would be a breach of good faith if, after claiming favored nation's treatment ourselves by virtue of a treaty, we suddenly denied our own contention when America asked the same of us.

"I make these explanations because now we are protesting and pressing for our rights, and we wish to avoid provoking rejoinders without legal basis. By the concession of favored treatment the United States nowise abandoned the right to change the tariff any more than we undertook to permanently reduce the wheat duty 3½ marks. The entire bearing of the Saratoga notes is limited by tariff legislation. The United States is only bound to grant us freedom from duty on certain products, while freedom from duty is granted to other States. The same applies to us in respect to wheat.

"The introduction of a general sugar tariff of 40 per cent., in the Wilson act, was no breach of the favored nation right; but a surtax on sugar from bounty paying States would be a breach and be immediately protested. The United States admitted the justice of the protest, and President Cleveland called upon Congress to remove the surtax. The House of Representatives acceded, but the Senate refused.

"We have not followed up our protest, because the United States admitted, legally, our contention, and, second, because the fears that our sugar imports to the United States would be diminished have not been realized.

"We have, however, again protested against

the surtax of the Dingley bill, declaring that in the event of its adoption Germany would have to consider whether she could continue the advantages of American imports, especially agricultural produce.

"The American reply stated that the matter was about to be referred to the chairman of the Senate committee, and that negotiations would then be entered into.

"We do not protest against the other Dingley bill provisions which injure German industry on the ground that we believe those interested should complain, and it might be objected that whoever avails himself of his own right injures nobody else. In fact, the independence is unrestricted, inasmuch as no State can permanently reckon on a foreign market for its products if it closes its own market to foreign products.

"It would be the greatest mistake to adopt definite resolutions in the present unsettled state of affairs. Doubtless the position is difficult, even serious; but I can only ask the Reichstag to have confidence in the federated governments. I believe they are conscious of the difficulty of the task, and when decisive resolutions must be taken they will combine with the firmness which our right fully warrants the cool, calm consideration whereto the great, world-wide interests involved have a well founded claim."

Dr. Barth, radical unionist, opposed the proposal of reprisals. He said the differential treatment of sugar was certainly a blow to the favored nation treaty, but did not call for diplomatic negotiations. Every firm exporting sugar to the United States should contest the imposition legally.

Count von Kardorff said the rightists could not have implicit confidence in the government on economic questions. Count von Kanitz's question, he asserted, was a sort of vote of censure against the Americans, adding that he would not have been allowed to take such measures at the times of Prince Bismarck.

In view of the above outbreaks of "virtuous indignation" it happens rather fortunately that a representative of "The National Provisioner" bearing the indorsement of the United States Government is at this time in Germany investigating in the interest of exporters the methods, regulations, etc., existing in that country for the exclusion of American meat products. Some of the facts furnished by Mr. Ganz in his last week's letter detract somewhat from the high and mighty position taken by German statesmen in regard to the tariff. It is thought that no steps or legislative enactments which the United States could take or pass would be worse or more severe than the manner in which American products are treated to-day in Germany.

Mr. Ganz's work is creating widespread interest. President McKinley is being informed

of developments and the State Department is likewise kept in touch with "The National Provisioner" commissioner's investigation.

Under date of May 1 Dr. Salmon, Chief of the Bureau of Animal Industry at Washington, writes evincing considerable interest and requesting to be furnished with advance proof if future letters. The relations now existing between the United States and Germany in regard to tariff and retaliation have become an international question of the liveliest kind.

The Mail and Express of New York, commenting on the situation, has this to say:

"The National Provisioner" publishes an interesting letter by its editor, Mr. Robert Ganz, from Frankfort-on-Main, concerning our meat trade with Germany. The restrictions placed by that country upon the importation of American meat and meat products have been for years a constant cause of annoyance, which this letter shows to be both needless and preposterous. There is no doubt that our embassy at Berlin will continue its efforts to secure a modification of those restrictions.

The New York Times, also a jealous guardian of American interests in foreign markets, discusses the problem as follows:

American meats have a hard time in Germany. They must pay a heavy duty on arriving at the port of entry, run the risk of confiscation and immediate destruction if they fail to pass the far from friendly scrutiny of examiners stationed at each place of consumption, and, if they can still compete with the costly home product after paying the cost of this examination, they are likely to encounter a local law which prevents their sale except as poor stuff to be eaten at the purchaser's peril. At Freiberg, for example, no dealer in food can keep the imported beef or pork unless he displays prominently a sign on which is printed the words, "Inferior American Meats for Sale Here." That is not a legend calculated to attract a profitable trade, and naturally it is never seen except in shops supplying the lowest class of patrons. The importation of live animals from America is entirely prohibited in Germany. Pickled, salted and smoked meats are practically excluded by repeated taxation as they pass from hand to hand, or by regulations like that just described. Canned meats and lard in small quantities manage to make their way into some parts of the country, and even these are subject to constant attack on the ground of imaginary defects in the quality of the preservatives used. Curiously enough, the restrictions imposed are most stringent in Saxony, a State which is industrial, not agricultural, and disposes of a large amount of its manufactures in the United States.

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DO YOU WANT A POSITION? TRY A
LITTLE AD. ON PAGE 45.



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Abattoir and Offices: 776 FIRST AVENUE,
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OF SPICES**

From Place of Growth.

PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

Persons contemplating the erection of packing houses or in need of packing house machinery will do well to make their wants known in this column. The foremost firms in the lines mentioned closely peruse the notes in this page, and prospective purchasers of machinery would be placed in immediate communication with them.

* At a recent meeting of the Camden (N. J.) Board of Health, Dr. J. George, a veterinarian, was elected meat inspector.

* Armour & Co., of Chicago, have purchased land in Lynn, Mass., 50x160 feet, upon which will be erected a brick building to accommodate their business. It will be ready for occupancy, it is expected, within six months.

* A cold storage building will be erected in Hion, N. Y., by Swift and Company.

* The beef killing department of the abattoir at the Union Stock Yards, St. Louis, was closed down from May 1. The closing is to be only a temporary one, mainly on account of the high price of animals and the general dullness of trade. The suspension of operations at the abattoir in no wise affects the Union Stock Yards.

* The government authorities in the Agricultural Department at Washington have extended the meat inspection system, in vogue at the Kansas City packing houses, to cover the slaughter house of Jacob Dold & Sons at Wichita, Kan. Dr. C. W. Barth, who has been an assistant in the local offices for three years, was promoted to the office of chief inspector of the newly created branch.

* The Vermont Live Stock Company, in Brattleboro, has received advices from John Stevens, the manager, to the effect that 3,000 to 5,000 of the cattle on the company's large ranch in South Dakota perished during the past winter on account of the deep snow fall.

* J. J. McCabe, of Tracy, Cal., a butcher who possesses considerable enterprise, according to a local paper's account of his doings, has purchased an ammonia process Dillenberg ice machine with an atmospheric condenser and a five horse-power gasoline engine to run it. He thus solved the problem of keeping his meat always fresh. If more butchers would follow Mr. McCabe's example and install ice machines there would be less cry about discomfiture because of the greedy ice barons.

* William Harris is endeavoring to start a big dead meat business in Toronto, Ontario. He says he does not intend to do a local trade, but proposes to develop an export business.



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CELEBRATED COMPOUND

INSULATING PAPER

For lining Cold Storage and Ice Houses, Refrigerators and Refrigerator Cars.

WATERPROOF, ACID PROOF, ALKALI PROOF.
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* The town council in Blacksburg, Va., has passed an ordinance requiring that all beef on the market shall be inspected previous to being offered for sale.

* The safe of the Montana Butchering Co., in Butte City, that State, was recently opened and about \$900 in cash and \$200 in checks secured by the burglars. Mr. Gerhman, one of the largest stockholders in the company, gave the opinion that the work was done by one of those very few experts who are able to discover the combination of a safe by listening to the mechanism when the knob is turned.

* The fourth annual convention of the Montana Stock Growers' Association was recently held in Miles City.

* Articles of incorporation of the Amory Waters Cattle Company, Livingston, Wash., have been filed. The capital stock is placed at \$10,000, and the directors to serve for the first three months are Pierce Hoopes, Charles Bowers and M. D. Kelley, of Livingston, and Edna Waters and Martha B. Waters, of Fond du Lac, Wis.

* County Attorney Miller filed a complaint in the district court in Kansas City, Kan., recently, charging Abram Beggs, a hog buyer at the stock yards for the Armour Packing Company, with violating the provisions of the new anti-dockage law enacted by the Populist Legislature in Kansas. The case will test the validity of the new anti-dockage law.

* The swine breeders of Alabama at their recent meeting in Birmingham formed a State association. Interesting papers were read in which the facts were brought forth that the Berkshire is the best "bacon hog," while the Poland China, on account of his laziness and corresponding accumulation of fat, is more adapted for lard producing.

* The Cudahy Packing Co. has opened a branch in Fort Smith, Ark. Mr. Carson is the manager.

* Richard Hysell has brought suit for \$5,000 damages against Swift and Company, Kansas City, Mo. He asserts that while cleaning dried blood and rust from an overhead iron runway in Swift's, which was full of microbes, a piece of it flew into his eye,

after which the microbes immediately began to get in their fine work. His eye became inflamed and he says he was incapacitated from work for months, and his sight permanently injured.

* Nelson Morris & Co., with Armour & Co., will sue the Pennsylvania Railroad for the loss of seven carloads of beef burned in a fire at Pittsburg, Pa., Sunday evening last. The beef came from Chicago Saturday last, and was switched down Liberty street in the city named, and allowed to remain there, where the flames caught the cars. The meat companies claim the meat was in transit, as it had not been delivered inside the building. The railroad company will claim that leaving the goods in front of the door constitutes delivery.

* The Davis Warehouse & Supply Co., packers' supplies, Chicago, have moved from 189 LaSalle street to 8 North Clark street.

* George F. Swift, of Chicago, president of the Swift Packing Company, said in Kansas City that his firm was considering the plan of building a branch house in the latter city from which to handle local business. It is thought the house will be put up this spring.

* The Lux estate in San Francisco, Cal., is to be incorporated. The firm of Miller & Lux is perhaps the largest firm of butchers on the Pacific coast. The terms of the incorporation are very broad, covering almost every branch of business, from wholesale and retail butchers to laying out town sites. It is to last fifty years. There will be seven directors, and the amount of the capitalization is \$12,000,000, divided in 120,000 shares of \$100 each. Henry Miller is to be president of the new company and general manager, at a salary to be fixed by the directors. It may not exceed \$25,000 a year. Henry Miller will hold eight-fourteenths of the stock, the German heirs three-fourteenths, and the heirs of Miranda Lux three-fourteenths.

* It is said that two Alabama men have started a hog farm on a new basis. Instead of feeding the hogs on grain they are giving

(Continued on page 36.)

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Highest Award, Diploma and Medal, at World's Fair, for Pure Lard, Hams, Bacon, Bbl. Pork, Neutral Lard, Sausages.

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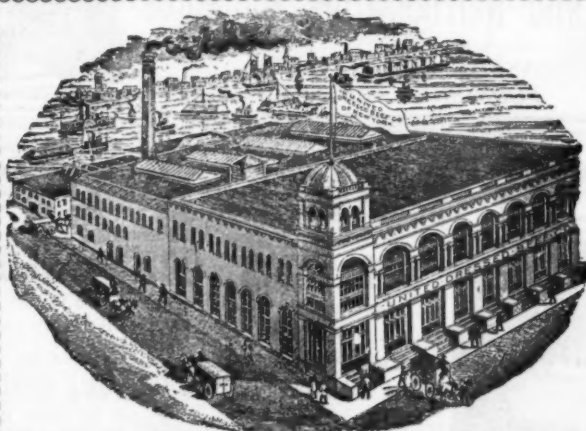
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See Coupon on Page 26.



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OF NEW YORK,

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PACKERS AND EXPORTERS OF INDIA MESS AND ALL SALT BEEF
MANUFACTURERS OFBeef Casings, Dried Blood, Fertilizers, Oleo Oils, Stearine, Prime City Tallow,
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LEWIS SAMUELS, Treasurer.GEORGE STRAUSS, Vice-President.
LEWIS A. LONDON, Secretary.

WANT AND FOR SALE ADS, can be found on PAGE 45.

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

Persons in need of an Ice Machine or Refrigerating Appliances should make their wants known to us. Their publication in this column which is perused by the leading ice machine manufacturers in the country would bring scores of replies.

—Several documents were filed recently in the clerk's office of the United States Court in Jacksonville, Fla., in the case of the Sulzer-Vogt Machine Company vs. John Jay Philbrick, of Key West. Among the papers filed was the declaration which sets forth that on November 12, 1894, a contract was entered into between the parties to the suit, by which the former agreed to erect for the defendant one 10-ton ice plant, with all fittings and accessories, for the sum of \$13,500. Since that time, however, the defendant has utterly refused to allow the plant to be erected or to carry out his part of the agreement. The claim is made for damages in the sum of \$20,000.

—W. H. Griffith, 329 Routh street, Dallas, Texas, is desirous of obtaining the addresses of makers of ice machines of from 100 to 300 pounds capacity.

—The Zero Refrigerating Machine Co., of New York, has closed the following orders in the last few days: A. E. Schultheis, one 8-ton refrigerating machine to cool the rooms in his market; Messrs. M. & J. Smith, one 6-ton combined ice and refrigerating machine to refrigerate the rooms in their market, and make 600 lb of ice per day.***

—A. H. Barber & Co., 229 South Water street, Chicago, Ill., which is among the oldest firms engaged in the manufacture of ice and refrigerating machines in small sizes, report the following sales made, and plants installed this spring: Menger Hotel, San An-

NEPONSET RED ROPE INSULATING PAPER
FOR LINING

Cold Storage Houses **Refrigerators** **Cars, Etc.**

F. W. BIRD & SON, EAST WALPOLE, MASS.

WATERPROOF AIR TIGHT, CLEAN, A HIGH NON-CONDUCTOR AND ABSOLUTELY ODORLESS.

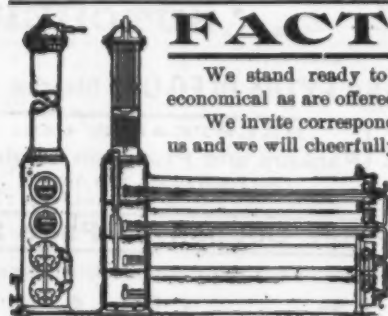
tonio, Tex.; A. G. Welford, Red Bud, Ill.; Sheridan Creamery Co., Sheridan, Mo.; Bonne Terre Farming & Cattle Co., Bonne Terre, Mo.; Brockman & Trauernicht, St. Louis Mo.; The Buettner Carbonating Co., Red Bud, Ill.; W. G. Willard, O'Fallon, Ill.; Agar & Marshall, 216 East Division street, Chicago, Ill.; J. L. Humphrey, Jr., New Bedford, Mass.; J. G. Spicer & Son, Edelstein, Ill.; Concordia Creamery Co., Concordia, Mo.; Crystal Creamery Co., Brockton, Mass.; Mecoy Bros., Springfield, Mo.; A. Clas, Springfield, Mo.; Plankinton Hotel, Milwaukee, Wis.; Chas. Boettger, Naperville, Ill.; Crystal Creamery Co., New Albion, Ia.; A. H. Pierce, Pierce, Tex.; Irwin Bros., 5825 State street, Chicago, Ill.; L. Ruppel & Bro., Aurora, Mo.; Renner Bros., Jefferson, Ia.; L. W. Babcock, Hoehne, Col.; Elgin Creamery Co., Atlantic, Ia.; Libby, McNeil & Libby, Chicago, Ill.; Creamery Package Co., Kansas City, Mo.; H. T. Thompson, Huntley, Ill.; T. H. Garlick & Son, Springfield, Mo.; Pfister Hotel, Milwaukee, Wis.***

—A 30-ton ice factory will be erected by the Inman Ice Co., of Louisville, Ky. The building will be of brick, 60x100 feet.

—The Vilter Mfg. Co., manufacturers of refrigerating and ice making machinery, Cor-

liss engines, etc., of Milwaukee, Wis., has closed contracts with the following parties: Maumee Brewing Co., Toledo, O., one 25-ton refrigerating machine; Indiana Brewing Association, Marion, Ind., one double 100-ton refrigerating plant; Theo. Hamm Brewing Co., St. Paul, Minn., one 100-ton refrigerating machine; Centennial Brewing Co., Butte, Mont., one 35-ton refrigerating plant; Estrella de Oro Brewery, City of Mexico, one 10-ton refrigerating plant and complete brewery outfit; Schwarzschild & Sulzberger Co., Kansas City, Mo., one 200-ton refrigerating machine; Ruemmel & Siebert Refrigerating Machine Co., St. Louis, Mo., one 50-ton and one 5-ton refrigerating machine; Christ Abhau, butcher, Germantown, Philadelphia, Pa., one 5-ton refrigerating machine; H. Piper, baker, Chicago, Ill., one 2-ton refrigerating machine; Ober Bros. Brewing Co., Allegheny, Pa., direct expansion ammonia piping; A. Trostel & Sons, tanners, Milwaukee, Wis., one 24x42 Corliss engine; Wm. Larsen & Co., cannery, Green Bay, Wis., one 12x30 Corliss engine.***

—William Wickes Rossiter, president of the Terminal Warehouse Company, of New York, died Friday of last week of intestinal cancer, in the Seney Hospital, Brooklyn.



GENERATOR—Pat. Jan. 24, 1888, and Sept. 23, 1890.

FACTS.

We stand ready to challenge any builders to show that our machines are as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.

SULZER-VOGT MACHINE CO.

LOUISVILLE, KY.

Builders of Latest Improved

Ice and Refrigerating Machines.

ATMOSPHERIC CONDENSERS, COILS, TANKS

FURNISHED FOR ANY MACHINES.

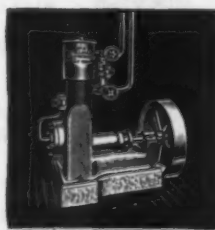
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For PACKERS, BUTCHERS,
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DIRECT EXPANSION,
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We are the Sole Manufacturers of the
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For Simplicity, Durability, Efficiency and Economy
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OUR SPECIALTY:

2, 4 and 6-TON MACHINES FOR SMALL PLANTS.

For Power we furnish ELECTRIC MOTORS, GAS,
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Absorber with Patented
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Manufacturers of
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AND ANHYDROUS AMMONIA.

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AWARD.

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special line of pipe-fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,
Vice-President Departmental Com.

(Signed) J. E. DENTON,
Individual Judge.

Approved.—JOHN BOYD THACHER,
N. H. Chairman Executive
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WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF OF THIS FACT.

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CHICAGO, Ill., 507-508 Security Building, Madison St. and 5th Ave.

NEW ORLEANS, La., 712 Hennen Building, Cor. Carondelet and Common Sts.
CINCINNATI, O., 5 and 7 Corwine St.
BOSTON, Mass., Tremont Building.

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**Kansas City,
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PACKERS AND JOBBERS.

PRODUCER'S WHITE LABEL PURE LEAF LARD.
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PRICES MADE ON SWEET PICKLE PORK and
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TALLOW, HIDES, FERTILIZERS AND
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CORRESPONDENCE SOLICITED.

**Dressed Beef, Sheep,
Lambs, Calves.**

WE SHIP IN OUR OWN
REFRIGERATOR CARS.

LITTLE MONITOR BEEF REFRIGERATOR AND ICE FACTORY.

See Coupon on Page 26.

PACKING HOUSE NOTES.

(Continued from page 32.)

them refuse bananas and coconuts, mixed with corn. There is a great deal of nutrition in both coconuts and bananas, and perhaps the hogs will fatten faster than if the usual diet was adhered to. The green bananas are boiled before being fed, and the hogs will leave corn any day to get them. Corn must be dearer and fruit cheaper in Mobile than in Illinois and Indiana, to make it profitable.—Western Farmer.

AMONG THE RETAILERS.

The following officers were installed at a recent meeting of the Amalgamated Meat Cutters' and Butchers' Union, No. 5,969, of Syracuse, N. Y.: President, Homer Call; vice-president, Fred Houck; corresponding secretary, Charles D. Clark; financial secretary, Joseph Schneid; treasurer, P. B. Hensen; guard, Charles Stilbert; guardian, John McDermott; sergeant-at-arms, James Knight.

A city market is projected for Kansas City, Mo.

The butchers of Aston, Bethel and Middletown, Pa., have formed a butchers' association for protection against dishonest customers.

NEW MARKETS.

Joseph De Varennes, North street and Intervale avenue, Burlington, Vt.

Tuttle & Colby, East Andover, N. H.

Felix Crowe, State street, Alton, Ill.

Frank Olmstead, Hamlet, N. Y.

J. M. Van Etten, Moravia, N. Y.

Albert Kamper, Baileyville, Ind.

Esker Hok, Fremont, Neb.

William Kepple, Johnstown, Pa.

Geo. Hattley, Lemoore, Cal.

Goodnow Bros., Hillsboro, N. H.

Butson Bros., Wells River, Vt.

Gorham & Wilder, Lyndonville, Vt.

A practical work on Ammonia Refrigeration. Send One Dollar (\$1.00) to THE NATIONAL PROVISIONER, and we will send you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 148 pages, cloth bound.

ESTABLISHED 1876

L. KRAUSKOPF,

DEALER AND EXPORTER IN

**TALLOW, GREASES AND SOAP
MAKERS' MATERIALS,**430 North Third Street, and 425 Dillwyn Street,
PHILADELPHIA.**TALLOW, SOAP, GLUE, FERTILIZER
AND COTTON OIL TRADE NOTES.**

(Continued from page 28.)

The Keene (N. H.) Glue Company, Messrs. Japham, has completed an addition to its office building which gives a new laboratory and other conveniences.

A cottonseed oil mill is to be erected at Winona, Miss. The general superintendent and manager will be R. A. Allison.

The lately incorporated Wortham (Texas) cotton oil mill company will break ground at once for the erection of a plant, and has placed an order with the Cardwell Machine Co., of Richmond, Va., for a forty-ton oil mill with all of the latest improvements, to be completed and ready for operation by Sept. 1. The company has been capitalized at \$25,000 by L. N. Barbee, T. A. Bounds, M. C. Tynes and others.

It is claimed that if proper methods for the complete utilization of cottonseed were introduced in the South, the value of the product could easily be doubled and reach not less than \$100,000,000 annually, an amount equal to one-third the value of the cotton crop itself.

On page 45 appears the ad of a gentleman who desires a position as a soap maker. He has had considerable practical experience which recommends him to the trade.

The Goliad (Texas) oil mill has been bought by Theo. Luthenbacher.

The Long Island Agricultural Chemical Company, of Long Island City, N. Y., has been incorporated with a capital of \$100,000 to manufacture animal fats, bone black, glue and fertilizers. The directors are Gustav D. Eckmeyer, Charles A. Kollestede and Alfred G. Kollestede, New York City.

**HAVE YOU GOT SOMETHING TO
SELL? PUT IT ON PAGE 45. DO YOU
WANT BARGAINS? SECURE THEM
ON PAGE 45.**

CATTLE FEEDING.

(Continued.)

An interesting feature of cattle feeding in the West is the pork that is made in connection with it. Out-door feeding is wasteful. Corn fed in the ear is shovelled out of the troughs by the cattle; half-eaten ears are dropped to the ground, and the hog follows to pick up what otherwise would be wasted. Our feeding experiments must parallel those of average farmers, as near as practical in many regards, or nothing comparative will result from them. We turned into the feeding yards and gave access to the stables fifteen shotes, weighing 2,145 pounds, near the beginning of the experiment. We ascertained by trial how much corn they would eat every day in addition to what they picked up, and found it to be 60 pounds. The weight of the fifteen hogs on Dec. 1 was 6,150, a gain of 4,005 pounds. We shipped the hogs to Chicago and netted 4.5 cents a pound, which was less than the average price of hogs at any time during the experiment, but is a fair price, to compare one year with another. Deducting the price of 282 bushels of corn, at 22 cents a bushel, the price of corn fed to the cattle, we have a profit of \$118.18 to add to the profits of the feeding experiment. The hog supplements our Western methods of feeding, where whole grain is fed so regularly, owing to the cost and inconvenience of adopting ways in vogue further East in our own country where grinding and other manipulations are more economically done, or in Europe, where labor is cheaper. The profit from the hogs is equal to \$7.87 for each of the cattle, and without it we would have fed at little profit, so far as the heifers are concerned.

Feeds were rated at the following market prices, current in this locality at the time of feeding:

Hay (mixed) at \$5 per ton, oil meal at \$25 per ton, stover at \$2 per ton, ear corn at 22 cents per bushel, corn and cob meal at 45 cents per cwt., beets at \$1 per ton, green clover at 50 cents per ton, green peas and oats at 40 cents a ton, green corn fodder at 50 cents a ton, clover hay at \$5 a ton, snapped corn at 25 cents per cwt., rape at 30 cents per ton, ground flax at \$1.50 per cwt., corn fodder at 20 cents a cwt., bran at 70 cents per cwt., sheaf oats at 25 cents per cwt.

(To be Continued.)

"ECLIPSE"**Silent Meat Cutting Machines**

Are conceded by the Trade, both in this country and Europe, to be

THE BEST MACHINES EVER PUT ON THE MARKET.

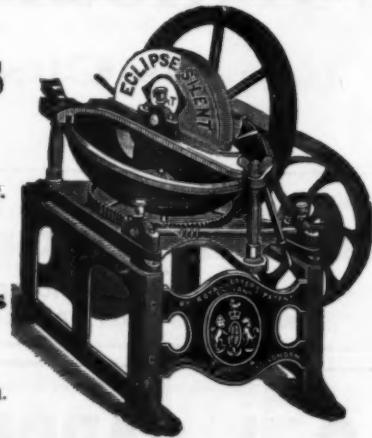
MANUFACTURED AND SOLD BY

**DUNCAN MACKENZIE,
Union Iron Works**

HAMILTON AVENUE, TRENTON, N. J.

Sold also by **WOLF, SAYER & HELLER,**
Fulton and Peoria Streets, Chicago, Ill.
and 130 Pearl Street, New York.

SEND FOR CATALOGUE.

**FREE.—A sample of Rudolph Gebhard's
ROSALINE**

BERLINER

KONSERVIRUNGS SALZE

AN INSIDE COLOR AND PRESERVATIVE FOR BOLOGNA, FRANKFURTS AND SUMMER SAUSAGE.

Will be sent free to any one by writing to

B. HELLER & CO.,

Manufacturing Chemists,

CHICAGO, ILL.,

The General Agents for the United States and Canada.



SWIFT'S..... CHICAGO DRESSED Beef, Mutton, Lamb, Veal, Pork

AND A FULL LINE OF SWIFT'S FINE PROVISIONS

Can be had at our branch houses in
New York, Brooklyn and Jersey City.

BRANCH HOUSES:

G. F. and E. C. SWIFT,
Proprietors.

General Offices,
105 Barclay St., N.Y.

G. F. & E. C. Swift, 105 Barclay st.
Gansevoort Beef Co., 22 and 24 10th ave.
Washington Market Sheep Co., W. Washington Market.
Swift Provision Co., Cor. 13th st. and 10th ave.
G. F. Swift & Co., Manhattan Market (W. 35th st.).
Swift Sheep & Prov'n Co., 11th ave., 34th and 35th sts.

Swift Brothers, 182 and 184 Fort Greene place.
Fort Greene Sheep Co., 172 Fort Greene place.

NEW YORK.

North River Beef Co., Foot W. 30th st.
Riverside Beef Co., 130th st. and 12th ave.
Swift Bros., Morrisania, 769 and 771 Westchester ave.
Harlem Beef Co., Foot East 127th st.
Murray Hill Beef Co., Foot East 31st st.
Centre Market Beef Co., Cor. Centre and Grand sts.

BROOKLYN.

Williamsburgh Beef Co., 100 and 102 N. 6th st.
Brooklyn Beef Co., 74 and 76 Atlantic ave.
Swift Brothers, Wallabout Market.

JERSEY CITY.

Swift and Company, Ninth Street Market, 138 9th st. Swift and Company, Wayne Street Market.

THE CUDAHY PACKING CO.

Packers of REX BRAND

PROVISIONS, CANNED GOODS AND BEEF EXTRACT.

SHIPPERS OF CHOICE

Dressed Beef, Hogs, Sheep, Calves, Beef and Pork Cuts and all
kinds of Tripe and Sausages.

ALSO MANUFACTURERS OF BUTTERINE.

PACKING HOUSES.

SOUTH OMAHA, NEB. CHICAGO, ILL.
SIOUX CITY, IA. LOS ANGELES, CAL.

BRANCH HOUSES.

The Cudahy Packing Co., Manhattan Market, New York.
" " " " Manhattanville " "
" " " " Ft. Greene Place, Brooklyn.
" " " " 1 Blackstone St., Boston, Mass.
" " " " Clinton Market, " "
" " " " Worcester, Mass.
" " " " Fall River, " "
" " " " Pittsburg, Pa.
Holmes' Provision Co., Holyoke, Mass.
Nashua Beef Co., Nashua, " "
Lee & Hoyt, New Haven, Conn.
McElroy Bros., Bridgeport, " "
Omaha Beef Co., Danbury, " "
Waterbury Beef Co., Waterbury, " "
W. W. Conk & Co., Providence, R. I.
A. H. Worthman Co., Philadelphia, Pa.

HARRISBURG, PA., OPERATED BY
HARRISBURG PROVISION CO.

LIVERPOOL, ENG.

WICHITA, KANSAS.

NEW YORK CITY.

BUFFALO, N. Y.

THE JACOB DOLD PACKING CO.

KANSAS CITY, MO.

WESTPHALIA
HAM.

CURERS AND JOBBERS OF
PROVISIONS AND CANNED MEATS

WHITE ROSE
LARD.

ESPECIAL ATTENTION PAID TO FOREIGN TRADE.

AND ALL PACKING HOUSE PRODUCTS.

ANGLO-AMERICAN PROVISION COMPANY, CHICAGO FOWLER BROS. (LIMITED), NEW YORK AND LIVERPOOL.

Pork Packers, Lard Refiners and Sausage Makers.

SOLE PROPRIETORS
OF THE UNRIVALED AND JUSTLY
CELEBRATED
BRANDS OF MEATS AND LARD:

Delmonico Peach and Cherry Brands
OF SMOKED MEATS.

Peach Leaf Lard. Apricot Lard.

ROYAL LILY COMPOUND.

Agents in most of the principal cities in the United States. Correspondence solicited.

ANGLO-AMERICAN PROVISION CO.

BENTLEY & GERWIG, Limited,
MANUFACTURERS OF

ROPE, TWINE and CORDAGE,

Hide Ropes, Pork Packers and Sausage Twine a specialty. Cotton Waste, etc.

69 WEST WASHINGTON STREET

CHICAGO.

ORGANIZED 1888.

The New York Butchers' Calfskin Association,
OFFICE, 407 E. 47th STREET, NEW YORK CITY.

Sell your calfskins to us. We divide all profits to stockholders. No other
dealers do this.

Our wagons call at your place for calfskins.

TRY A LITTLE AD ON PAGE 45.

Battelle & Renwick,

163 FRONT STREET, NEW YORK.

ESTABLISHED 1840.



MANUFACTURERS OF

REFINED SALTPETRE.

CRYSTALS,
GRANULATED,
POWDERED.

FOR PACKERS' USE.

WHAT'S THE MARKET

ON...
HIDES
SKINS
PELTS
TALLOW
GREASE

SEND for free copy of our
paper. Market Reports
each week from Chicago
and all leading markets.

Pays to keep posted.

Hide and Leather,

154 LAKE STREET, CHICAGO.

CHICAGO PROVISION MARKET.

(Continued from page 18.)

higher prices. Mr. Walter Hatley, of Hatley Bros., who has lately returned from an extended trip in Europe, says the foreigners will need all the hog product that we can spare, and he is predicting 6c. lard and ribs this summer. Lard has been relatively the weakest on the list. The world's stocks of lard on May 1 were 543,000 tes., against 533,000 a month ago, showing an increase for the month of 10,000 tes. This is rather more than the trade looked for, and it brought about a decline in July lard to \$4. May lard, for the first time in several months, sold under 4c.

We are inclined to think that purchases of the July or September options on any weak spot will pay a good profit. We certainly should not care to sell the market short at present prices.

CHICAGO PORK PACKING.

The following shows the number of hogs estimated packed from March 1 to May 1 in this city, as compared with returns of previous years: 1897, 850,000; 1896, 903,000; 1895, 815,000; 1894, 785,000; 1893, 509,000; 1892, 727,000; 1891, 770,000; 1890, 749,000; 1889, 577,000; 1888, 536,000, showing an increase this year over every year for the past ten years, with the exception of 1896, which was 46,000 larger than this year.

RANGE OF PRICES.

THURSDAY, APRIL 29.

PORK—	Open.	High.	Low.	Close.
July.....	8.45	8.60	8.45	8.45
September...	8.55	8.70	8.55	8.55

LARD—	Open.	High.	Low.	Close.
July.....	4.15	4.20	4.12½	4.20
September...	4.25	4.27½	4.22½	4.27½

RIBS—	Open.	High.	Low.	Close.
July.....	4.60	4.70	4.60	4.70
September...	4.70	4.75	4.67½	4.75

FRIDAY, APRIL 30.

PORK—	Open.	High.	Low.	Close.
July.....	8.60	8.70	8.60	8.62½
September...	8.70	8.80	8.70	8.72½

LARD—	Open.	High.	Low.	Close.
July.....	4.20	4.22½	4.20	4.22½
September...	4.30	4.32½	4.30	4.32½

RIBS—	Open.	High.	Low.	Close.
July.....	4.70	4.72½	4.70	4.72½
September...	4.77½	4.80	4.75	4.77½

SATURDAY, MAY 1.

PORK—	Open.	High.	Low.	Close.
July.....	8.60	8.67½	8.52½	8.60
September...	8.70	8.77½	8.62½	8.70

LARD—	Open.	High.	Low.	Close.
July.....	4.17½	4.20	4.15	4.17½
September...	4.30	4.30	4.25	4.27½

RIBS—	Open.	High.	Low.	Close.
July.....	4.67½	4.67½	4.62½	4.65
September...	4.70	4.70	4.70	4.70

MONDAY, MAY 3.

PORK—	Open.	High.	Low.	Close.
July.....	8.50	8.62½	8.50	8.62½
September...	8.60	8.72½	8.60	8.72½

LARD—	Open.	High.	Low.	Close.
July.....	4.12½	4.15	4.10	4.12½
September...	4.22½	4.22½	4.20	4.22½

RIBS—	Open.	High.	Low.	Close.
July.....	4.60	4.67½	4.60	4.65
September...	4.70

W. THOS. NASH,

BROKER.

Provisions, Lard, Grease, Etc.
240 LA SALLE ST.,
CHICAGO.

WM. E. WEBBE & CO.

PROVISION BROKERS

807 ROYAL INSURANCE BUILDING,

CHICAGO.

W. J. WEIL, Manager Cash Provision Department.

TUESDAY, MAY 4.

PORK—	Open.	High.	Low.	Close.
July.....	4.60	4.62½	4.50	4.52½
September...	4.70	4.72½	4.60	4.62½

LARD—	Open.	High.	Low.	Close.
July.....	4.10	4.10	4.05	4.05
September...	4.20	4.20	4.15	4.15

RIBS—	Open.	High.	Low.	Close.
July.....	4.65	4.67½	4.60	4.60
September...	4.70	4.70	4.65	4.65

WEDNESDAY, MAY 5.

PORK—	Open.	High.	Low.	Close.
July.....	8.45	8.60	8.45	8.60
September...	8.55	8.70	8.55	8.70

LARD—	Open.	High.	Low.	Close.
July.....	4.02½	4.05	4.00	4.05
September...	4.12½	4.15	4.10	4.15

RIBS—	Open.	High.	Low.	Close.
July.....	4.57½	4.62½	4.57½	4.62½
September...	4.62½	4.67½	4.62½	4.67½

The exports of hog products from the principal ports of the United States during the past week were 32,150,000 lb, against 19,822,000 lb for the corresponding week in 1896.

STOCKS OF PROVISIONS IN CHICAGO.

AT CLOSE OF BUSINESS, APRIL 30, 1897.

	Apr. 30, 1897.	Mar. 31, 1896.
Mess pork, winter packed, new, bris....	104,050	104,051
Mess pork, winter pkd, season, '95-96..	37,300	46,801
Mess pork, winter packed (old) '94-95..	349	637
Mess pork, summer packed, bris	45	45
Other kinds of brd pork, bris	32,935	33,622
P. S. lard, "contract" (new, old) tes	*252,239	248,773
Other kinds of lard....	5,011	6,503
Short rib middles, lbs..	21,963,935	25,848,493
Short clear middles, lbs.	1,686,016	1,863,480
Extra short clear middles, lbs.	6,371,221	7,661,472
Long clear midles, lbs..	517,811	707,086
Dry salted shldrs, lbs..	1,098,326	1,701,353
Sweet salted shldrs, lbs.	2,390,750	2,906,806
Sweet pkid hams, lbs..	43,545,253	46,942,505
Dry salted bellies, lbs..	11,151,073	10,722,234
Sweet pkid bellies, lbs..	8,934,427	8,489,456
Sweet pkid Cal. or pic. hams, lbs	6,936,233	7,625,780
Sweet pkid Boston shldrs., lbs	2,471,650	1,851,450
Sweet pkid skinned hams, lbs	9,609,025	11,789,754
Other cuts of meats, lbs.	14,203,487	12,634,337
*Of which 66,506 tes were made previous to Oct. 1, 1896.		
*Of which 51,673 tes were made previous to Oct. 1, 1896.		

Movement of Product.—

	Recd. Apr. '97	Shpd. Apr. '97
Pork, bris	152	21,063
Lard, gross wt., lbs ..	4,558,691	28,571,902
Meats, gross wt., lbs..	12,612,671	55,728,857
Live hogs, No.	542,787	132,415
Dressed hogs, No.	33	763

TO BUTCHERS.

Butchers cannot fail to be interested in Page's Quotations for Calf Skins, which appear on page 8.

STOCKS OF PROVISIONS IN KANSAS CITY.

AT CLOSE OF BUSINESS APRIL 30, 1897.

	Apr. 30, 1897.	Mar. 31, 1897.
Mess pork, bbls.....	1,600	1,572
Other kinds pork, bbls.	3,412	2,662
P. S. lard "contract," tes	12,068	20,714
Short rib middles, lbs..	4,446,962	5,400,944
Other kinds lard.....	3,124	2,194
Short clear midles, lbs..	3,441,247	3,697,265
Extra S. C. midles, lbs..	4,676,669	6,025,088
Long clear midles, lbs..	57,202	78,636
Dry salt shldrs, lbs....	2,105,996	1,701,499
D. S. bellies, lbs	3,407,301	2,904,787
S. P. Cal. hams, lbs....	3,007,858	2,931,948
S. P. shoulders, lbs....	974,895	880,350
S. P. hams, lbs	17,005,832	17,353,434
S. P. bellies, lbs	6,501,037	6,120,326
S. P. sknd hams, lbs....	2,004,220	1,691,450
Other cuts meat, lbs ..	9,104,297	8,235,662
Received	Apr. '97.	Apr. '96.
Shipped	259,908	203,292
Driven out	28,163	39,703
	231,703	163,153

STOCKS OF PROVISIONS IN SOUTH OMAHA, NEB.

AT THE CLOSE OF BUSINESS APRIL 30, 1897.

	Apr. 30, 1897.	Apr. 30, 1896.
Mess pork, bbls	742	2,923
Other kinds bbl. pork ..	3,137	4,718
P. S. lard "contract" tes.	2,747	1,320
Other kinds lard, tes ..	873	2,954
Short rib middles, lbs..	6,074,707	3,746,115
Short clear middles, lbs..	1,249,510	1,530,269
Extra S. C. middles, lbs..	6,020,968	7,189,393
Long clear middles, lbs..	5,501,037	98,828
Dry salt shoulders, lbs..	530,874	516,715
S. P. shoulders, lbs....	1,278,111	583,112
S. P. hams, lbs	11,274,239	9,761,850
D. S. bellies, lbs	1,456,132	1,356,521
S. P. bellies, lbs	4,052,149	3,205,691
S. P. Cal or Pic. hms, lbs.	1,705,193	3,179,735
S. P. skinned hams, lbs..	1,970,682	1,071,804
Other cut meats, lbs....	3,376,351	3,163,346

LIVE HOGS.—

	Apr. '97.	Apr. '96.
Received	108,850	83,654
Shipped	250	4,252
Driven out	105,815	80,202

THE WORLD'S SUPPLY OF LARD.

Cable advices to the N. K. Fairbank Company give the following estimates of the stocks of lard held in Europe and about on the 1st inst., to which we add estimates of the former year, and stocks in cities named:

Liverpool and Manchester..	68,500	48,500
Other British ports	12,500	10,000
Hamburg	42,000	27,000
Bremen	3,000	3,000
Berlin	10,000	12,000
Baltic ports	12,000	17,000
Amsterdam		
Rotterdam	2,000	4,000
Mannheim		
Antwerp	35,000	30,000
French ports	11,000	21,000

BROKERS AND DEALERS IN

HENRY ELLSWORTH & CO., PORK PRODUCT.

Exporters of Provisions, Lard, Oils, Greases, Etc.

We have unequalled facilities for handling orders for ALL KINDS of green and cured meats.

CORRESPONDENCE SOLICITED.

Members Chicago Board of Trade.

637-633 Rialto Building, Chicago.

Cable Address, Ellsfield, Chicago.

Horse Casings Wanted

SEND OFFERS TO

KACHELMACHER & BÖHMER,
174 Chambers St., New York.

CASINGS

WEIL'S CASING COMPANY,

626-630 HOWARD ST., BUFFALO, N. Y.,
Cleaner of and Dealer in
all kinds of SAUSAGE CASINGS.

Best Spices, Saltpetre and Potato Flour.

F. BECKER & CO.

3362 South Halstead St, CHICAGO, ILL.

Manufacturers of BEEF and HOG CASINGS

and Dealers in IMPORTED SHEEP CASINGS.

Also, all kinds of BUTCHER SUPPLIES.

Factory, Union Stock Yards. Telephone Yards 668

BERTH LEVI & CO.,

89 PEARL STREET, NEW YORK.

19 MICHIGAN AVENUE, CHICAGO.

HOG AND BEEF CASINGS.

Importers of English, Russian and New Zealand Sheep Casings.

BEST GERMAN POTATO FLOUR.

FOOD PRESERVATIVE DRY ANTISEPTIC.

TELEPHONE No. 1251 BROAD...

BECHSTEIN & CO.

SAUSAGE CASINGS

New York: 12 Coenties Slip.

Chicago: 73 Market Street.

London: 118 Great Suffolk Street.

Illinois Casing Company,

Cleaners and Importers of

Sausage Casings,

102 Michigan Street, Chicago.

JOSEPH BACHARACH,

(Established 1876.)

IMPORTER AND EXPORTER

OF ALL
KINDS OF

SAUSAGES

347 Greenwich Street,

Telephone,
586 Franklin.

NEW YORK, U. S. A.

VORNBERGER, HIRSCH & CO.

(Limited),

MANUFACTURERS AND CLEANERS OF PRIMEST QUALITY

610 West 39th Street, NEW YORK.

5 Cowcross St., LONDON. 48 Market St., GLASGOW.

19 St. Andrew St., LIVERPOOL.

Established throughout Great Britain and Germany.

ONE QUALITY ONLY.

Sheep Casings,
Cattle Cuts,
Hog Casings.

"THE BEST."

SPICES

PLAUT & STRETCH,

Importers and Jobbers of SPICES,
"PURITY SPICE MILLS."

80 Pearl Street, NEW YORK.

Supplies for the Packing, Provision and
Sausage Making Trades a specialty.

IF QUOTATIONS AND SAMPLES SENT TO ANY ADDRESS.

N. WOLFSKEHL & CO., SAUSAGE CASINGS.

256 PEARL STREET, NEW YORK.

SALTPETRE KNOWLES BROS.

181 Pearl Street, New York.
GRANULATED, POWDERED, CRYSTALS. . . . MANUFACTURERS AND REFINERS. . . .

.. Established 1868 ..

S. OPPENHEIMER & CO.

Manufacturers and
. . Importers of

Sausage Casings

OF EVERY DESCRIPTION.

Importers and Dealers in

SPICES.

Sausage
Makers'
Specialties.

ALL KINDS OF

MACHINERY

96 and 98 Pearl Street

NEW YORK

449 Wabash Avenue

CHICAGO

47 to 53 St. John Street

LONDON

15 Katnarinen Strasse

HAMBURG

Clermont Terrace

WELLINGTON

Italian and Spanish ports...	1,000	1,000
Total in Europe	197,000	173,500
Afloat for Europe	50,000	40,000
Total in Europe and afloat.	247,000	213,500
Chicago contract	252,239	169,822
Chicago other kind	5,011	10,775
East St. Louis	5,200	1,750
Kansas City	15,192	15,938
Omaha	2,750	4,204
New York	15,917	17,430
Total tierces	543,309	433,419

NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

** Thomas L. Coen has been appointed receiver in supplementary proceedings for Bertha Aarons, butcher, of 1120 Park avenue, on the application of Joseph Offenheimer.

** J. B. Bartlett & Co.'s abattoir on Communipaw Bay, was burned Saturday night last. The abattoir was located at the extreme southern end of Phillips street in Jersey City. There were over 2,000 hogs in the adjoining building waiting to be slaughtered Sunday. They were saved. The building was owned by J. Bartlett & Co., who attended to the killing. Halstead & Co., attended to the dressing, while P. F. Landreau shipped the hogs.

** Moses Weil, a cattle dealer of 375 Vernon avenue, New York, while visiting his friend, S. Westheim, at 785 Broadway, on Sunday morning last, suddenly grew pale and fell face downward on the ground. Before an ambulance surgeon arrived, he died. Coroner Nason found that death was due to heart disease and ordered a permit for the removal of his body to his home.

** William Harris, aged 15, believed to be a leader of a gang of boy thieves, was arrested for and admitted stealing property, value \$210, from Snyder's meat market, Park avenue, New York. Over \$500 worth of goods were found in back yards in the neighborhood of the shop.

** Lewis Schlank, 18 years old, employed by Max Flaxman, butcher, of 146 Forsyth street, city, was seen wearing a coat the property of and stolen from his employer. After a lively chase of several blocks he was caught and handed over to the police.

** Mr. Louis Newhoff, of Albany, N. Y., paid a visit on Saturday last to our New York office.

** A fire started on Thursday morning in the basement of 161 and 163 Chambers street, New York City, occupied by Robert Gair, manufacturer of paper boxes, etc., the five stories above extending through to Reade street, were used as a cold-storage warehouse by the Merchants' Refrigerator Company and controlled by William Wills. The whole interior of the building had been so solidly insulated that for more than an hour the firemen with their heavy axes, beat vainly at the window openings in the stone front to get an entrance. When they finally succeeded in breaking down the barriers, there was no sign of fire. Nothing but smoke, thick, suffocating and blinding ammoniated fumes. It effected the strong firemen who inhaled as if they had been children, and in a short space of time one fireman succumbed to its effects and nearly two score of others had to be rescued from the building entirely overcome. The total loss is estimated at \$500,000, the refrigerator company being insured for \$300,000.

** Mr. Strauss (Kaufman & Strauss) is still a very sick man, but reported to be somewhat better than he was the early part of this week.

** Mr. McCabe, the well-known lard refiner, of Cincinnati, O., was a welcome visitor at our New York office Monday.

** The Retail Butchers' Mutual Protective Association, of Brooklyn, will hold a meeting next Thursday evening.

** The Board of Health meat inspectors for the week ending May 5, condemned 4,800 lbs of beef; 400 lbs. of veal, 46 calves (2,170 lbs.); 300 lbs. of sheep, 610 lbs. of hogs, 22 bbls. of poultry (4,400 lbs.).

Supplementary Reports.

PROVISIONS AND LARD.

(Continued from page 10.)

Thursday's markets were higher, on smaller receipts of hogs at Chicago than estimated, by 2,000, and in the West than a year ago by the same amount; with an active demand and prices 5c. up, the former being 25,000 hogs and the latter 60,000. This, and nearly a 2c. advance in wheat, caused 5c. to 7½c. advance in pork, 5 in lard and 5 in ribs, though prices eased off on the two latter articles 2½c. and on the first named 5c., closing only 2½c. up for the day as a rule on the July option, though May pork and ribs were 5 up after a fair trade. Spot transactions in New York were very slow indeed, through the list, with prime Western lard in tierces quoted 4.25 @ 4.27, 112, and sales of 2 tanks of Western at 3.97½ early and 3. at 4c. near the close. 100 tierces city lard sold at 3.85 for refining, and 40 boxes of dry salted clear bellies for Cuba at 6½c., the market having been cleaned up for the Cuban market during the last three weeks. Sales of pork in job lots of 200 bbls. and of meats, either city or Western, nothing but job lots; hogs were firm at unchanged prices at New York, with a fair demand. Sales of beef for the week have been about as usual, at practically unchanged prices, 400 tierces and 500 bbls. being about the aggregate. In the dullness of spot trade at the East dealers seem to forget that the exports of meat since November 1 this year have exceeded those of last by over 100,000,000 lbs., which is equal to 527,000 bbls. of pork and about the same of hogs.

The dullness in the West India trade for mess pork still continues, and is said to beat the record for the last three months, although dealers say that the prospects are better for a good summer and fall trade than for some time past.

Friday's markets opened West 2½@5 off on pork with wheat, and fair receipts of hogs, rallied 5c. on Cudahy's buying to ease off 2½ by noon, lard following 2½ and ribs ½ point to recover it on a small and featureless trade. Hog receipts 22,000 Chicago, against 20,000 estimated. Spot trade and prices were nominally unchanged up to noon, after which prices were irregular, closing 2½ up for day on pork, 5 on ribs; unchanged on lard after active trade early and light late. In New York Western lard was slow at 3.97½@4c. for tank Western and 3.85 for city, only a few tank and hundred tierces of each selling, 200 bbls. pork at old prices and small sales of city meat at quotations.

Closing New York quotations Friday evening.—Spot Western lard, in tanks, 3.97½@4c.; in tierces, 4.25@4.27½c. nominal; May, 4.37½c.; city at 3.85c. Refined Continent, 4.55c.; South America, 5c.; Brazil, in kegs, 6.05c.; compound, 4@4½c. for city and 4½@4¼c. for Western; neutral, 5@5½c. West and 5¼c. New York.

Pork.—Mess, \$9@9.50; clear, \$9.50@10.50; family, \$9.50@10.50. City pickled shoulders, 4½@5c.; pickled hams, 9@9½c.; 10-lb rib bellies, 5½c.; 12-lb rib bellies, 5½@5¼c. loose; clear boxed bellies, in pickle, 6c. for Cuba; dry salted do., 6½c. In Chicago—16-lb green hams, 8½c.; 14-lb, 8½c.; 12-lb, 8½c.; 16-lb s. p. hams, 8½c.; California s. p. hams, 5½@5¼c.; green New York city hams, 12-lb, 9½c.; 10-lb, 9¼c.; green bellies, 5½@6½c. for the range.

Beef.—Corned and roast, \$1.10@1.15 for 1-lb cans; 2-lb cans, \$1.00@1.20; 4s, \$3.95; 6s, \$6.25@6.50; 14-lb, \$14; mess, \$7@8; packet, \$8@9; family, \$9@10; extra India mess in tierces, \$12@11 for both extremes; hams, West, \$20 for new and \$18 for outside; cost and freight here nominal at \$20; job lots, \$21; tongues, \$25 for large 6-lb average and \$24 for small.

TALLOW AND STEARINE.

(Continued from page 12.)

Thursday's markets were unchanged and quiet for tallow, after the late activity, only 175 hds. of city being reported on weekly contract, at 3¼c., while small lots of country were sold at 3@3½c. Of the 1,700 hds. taken for export last week and this, 1,400 were for France, 100 for Germany and 100 for England. No business was reported from the West and no change in quotations. Stearines were offered at former prices, both East and West, with no sales and very little demand reported. Oleo oils in Rotterdam were active and lower, 1,400 bbls. selling at \$8 florins for the best brand, which, added to those early in the week, made about 1,700 bbls. No changes, or transactions, in greases or animal oils were reported. As to conditions of trade in St. John's, N. F., Mr. David C. Leuk received a letter from there stating that its chief export in codfish is almost at a standstill, owing to cheapness of other food products, and this affects general trade very unfavorably, and the butterine trade with the United States is suffering with all other branches of business. Friday's markets were without change, feature or business reported up to the close of 'Change in any of these staples.

Closing New Prices Friday evening were: City lard stearine, 5c. nominal; Western lard stearine nominal at 4½c.; oleo stearine, city, 4¼c. asked; yellow grease stearine, 3¼c.; white do., 3½c.; tallow stearine nominal; oleo oil, 6½c. for No. 1, 5½c. for No. 2 and 5¼c. for No. 3; at Rotterdam, 38 florins; oleo stearine, 3¼@3½c.; white do., 3½c. nominal. City tallow, 3¼c.; country (packages free), 3@3¼c. as to quality; edible, 3¼@3½c. Chicago prices are: Prime packers', 3½c.; country, 3¼c.; No. 2, 2¼@2½c.

Greases.—Brown, 2¼@2½c.; yellow, 2½@2¾c.; white, 3¼@3½c.; bone and soap, 2¼@3c. At Chicago: 3¼@3½c. for A white, 2¾@3c. for B white, 2¼@2½c. for yellow, 2¼c. for brown, and 2¼@3c. for bone.

ANIMAL OILS—WHOLESALE AND JOBBING.

Lard oil, prime, city, present make.....	37	a	39
" " Western	60	a	70
Neatsfoot oil, white	47	a	83
" " prime	45	a	48
" " No. 1	41	a	43
" " No. 2	34	a	34
Red saponified	28	a	32
Red Elaine	38	a	40
Tallow oil, prime	13	a	15
Degras, German	13	a	2
" English, brown	23	a	34
" light	44	a	54
" French			

COTTONSEED OIL.

(Continued from page 18.)

Thursday's markets were a repetition of those of the early week, nothing whatever being reported and no change in prices, except that small lots of prime summer yellow in New York have been retailed out during the week at 24¼c., white at 26¼@27c. and winter at 29c, but for round lots there was no demand, although 24c. was the nominal quotation, exporters being entirely out of the market. Crude at the South in tanks was quoted 16½c., with little if any business reported. But there was inquiry from the West for prime summer yellow in bulk, in round lots at the South, within ¼@½c. of holders' prices, but no transactions were reported. Whether this demand came from refiners of oil or compound lard was not stated. Further than this nothing whatever transpired. Prime summer yellow could be bought in a small way in New York at 24c., but could not be sold at that to any extent, as exporters here have no orders, and both sellers and buyers are simply waiting for each other to turn up or down.

Friday's markets were without feature, change or business reported up to the close, old quotations being nominal.

Closing New York prices Friday evening were:

Cottonseed, crude, prime.....	a	20½
" " loose, f. o. b. mills.....	16½	a 17½
" Summer yellow, prime	a	24
" " " off grade.....	a	23½
" Yellow, butter grades.....	nominal	
" White, prime.....	25	a 27
" Winter.....	a	29

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THE MOST PRACTICAL AND ECONOMICAL METHODS ON A MANUFACTURING SCALE KNOWN UP TO DATE.
COST OF EQUIPMENT.
FORMULARY AND EXHAUSTIVELY DESCRIBED METHODS AND TREATMENT OF LINSEED OIL IN ALL ITS PHASES AND FOR ALL VARIETIES.
METHOD OF MAKING VARNISH OIL.
DESCRIPTION OF THE RELATIVE MERITS OF EACH VARIETY OF SEED, EAST INDIA, LA PLATA SEED OR DOMESTIC.
COLD DRAWN OIL.
METHOD OF REMOVING THE FOOTS FROM NEWLY MADE OIL IN SOLID FORM, THUS EFFECTING GREAT SAVING IN TANK CLEANING AND IN THE WORK OF FILTER PRESSES.
PERCENTAGE OF OIL LEFT IN CAKE.
METHOD OF REDUCING SAME TO THE MINIMUM POINT WHILE PRODUCING A COMPARATIVELY SOFT CAKE.
ATTRACTIVE AND MARKETABLE TO THE FOREIGN CAKE CONSUMER.
APPLICATION OF PRESSURE, LOW AND HIGH, SO AS TO PRODUCE BEST RESULTS.
HOW TO AVOID DESTRUCTION OF PRESS BAGGING BY A CERTAIN METHOD OF COOKING AND PRESSURE APPLICATION.
MATERIALS WHICH MAY BE USED TO ADVANTAGE IN THE BLEACHING OF LINSEED OIL.
HYDRATE OF ALUMINA AS A PURIFYING AND BLEACHING AGENT.
BROWN LIME, FULLER'S EARTH, ETC.
BEST QUALITY OF FULLER'S EARTH FOR LINSEED OIL PURPOSES.
AVERAGE ANALYSIS OF SAME.
METHOD OF DETERMINING THE VALUE OF AN OIL INTENDED FOR USE IN VARNISH MAKING.
LENGTH OF TIME WHICH AN OIL SHOULD BE SETTLED PRIOR TO TREATMENT.
THE SHADE OR COLOR OF LINSEED OIL.
HOW TO PRODUCE A GOOD BODY IN AN OIL.
FILTERING MEDIUMS.
COMBINATION OF CLOTH AND PAPER.
VALUE OF FILTRATION AS A MEANS OF CLARIFYING LINSEED OIL.
THE FILTER PRESS; DETAILED DESCRIPTION OF SAME.
STORAGE TANKS; THE LATEST AND MOST APPROVED.
FILTER PUMPS; AIR PUMPS.
OIL AND VARNISH THERMOMETERS, DESCRIBED IN DETAIL.
DESCRIPTION OF MACHINERY NECESSARY FOR THE TREATMENT OF LINSEED OIL WITH FULLER'S EARTH; FULL AND COMPLETE FORMULA.
ECONOMIC OIL MILLING.
DESCRIPTION OF A LAY WHICH WILL GRIND A WORN ROLL INTO A PERFECT CYLINDER IN A SURPRISINGLY SHORT TIME.

LATEST FORM OF HEATING OR COOKING KETTLE.
HOW TO PREPARE FOR WITHDRAWAL EVERY 12 MINUTES
LARGE BATCHES OF COOKED MATERIAL.
DESCRIPTION OF AN EXCELLENT SYSTEM OF CAKE ANALYSIS; THE BEST FACTORY SYSTEM KNOWN TO-DAY; PARTICULARS OF APPARATUS.
AUTOMATIC CHANGING FROM HIGH TO LOW PRESSURE; DETAILED DESCRIPTION OF THE SYSTEM.
METHOD OF ANALYZING CALCUTTA SEED BY WEIGHT; FRENCH SYSTEM.
AN EXCELLENT FACTORY SYSTEM OF ANALYZING CALCUTTA SEED; ALSO, OF AMERICAN AND EUROPEAN SEED.
CURIOUS FACTS CONCERNING THE EXTRACTING OF OILS FROM MEAL.
AMERICAN AND FOREIGN MAKES OF LINSEED CAKE CONSIDERED COMPARATIVELY.
COMPOUND CAKE AND NEW OUTLET FOR MILL FEEDING MEAL.
CAMEL'S HAIR PRESS CLOTH THE BEST FOR USE AND WHERE TO PROCURE OIL BOILERS DRY.
THE VARIOUS QUALITIES ON THE MARKET.
MANUFACTURE OF OIL VARNISHES.
MILLING, GUMMING, DESCRIPTION OF APPARATUS; MIXING, BOILING.
DESCRIPTION OF THE SET POT.
THINNING.
CLARIFYING AND AGENTING.
RECEIPTS OF ALL VARIETIES OF VARNISHES.
ELASTIC HARD CARRIAGE VARNISHES.
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NEW YORK PRODUCE EXCHANGE NOTES.

Henry C. Butcher, of Philadelphia, president of the Southern Cotton Oil Company, was on 'Change this week, and when asked how business was in the Quaker City, replied: "It is quiet, but does not look so much like a cricket field as the floor of the Produce Exchange does."

The following applications have been made for membership this week: Frank J. Benjamin, of Gillespie Bros. & Co., shipping and commission, approved by Benj. B. Roundey and W. A. Griffin; Henry C. N. Gennerich, of H. W. Gennerich, flour and bakers' supplies, by the last named and H. M. Bogert; Geo. R. Mills, of Fred H. Mills, insurance, by the last named and Jas. Edward Jenkins; Geo. L. Woolley, of Freenen, Withy & Co., steamships, by W. P. Callaghan and Paul Gotthiel; Edward W. Gallivan, flour broker, by Alfred Romer and C. H. Warner.

Ezra John Wright, with William S. Gray, export, by William S. Gray and H. T. Barton.

Produce Exchange memberships are dull and nominal at about \$200 asked and no bids or inquiry reported.

Among the visitors at the Produce Exchange this week were J. C. Wood, of Chicago, introduced by J. B. Oliver; A. L. Beardsley and H. P. Chesley, of Kansas City, by Chas. Walker; J. Merrow, Galveston, Texas, by Wm. Lunham; Edward W. Godwin, by J. W. Ahles; W. L. Bort, New York, J. S. Cooney; C. K. Holman, Philadelphia, by A. R. Beardsley; W. Billingshousen, Chicago, by H. C. Giblin; T. Minford, Chicago, by T. C. Koper; Jas. Osborne, Glasgow, by Fred Klonbar; F. J. Benjamin, Brooklyn, by F. H. Andrews; J. P. Egbert, New York, by Herman Loeb.

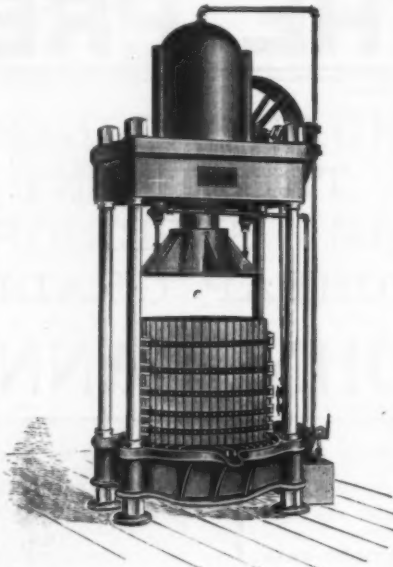
The following members were elected at the board meeting May 6: Augustus L. Alpees Commission; John Bingham, Jr., with Sandy & Shepherd, grain; George Constock, David Trubet & Co., wholesale grocers; Edward S. Day, Simpson, Spence & Young, steamships; John L. E. Pell, Mann & Jenkins, freight brokers; Archibald H. Smith, James D. Smith & Co., stock brokers; Louis Wessels, C. Wessels Bros., export and import; J. F. Egbert, H. Loeb & Co., lard and oil; Otto G. Moyn, Otto G. Moyn & Co., commission; M. E. Berry, Campbell's Stores, storage; T. P. Pryse, Liverpool, by R. L. Fitch; Clarence Levering, Baltimore, by W. K. White; J. W. Flavelle, Toronto, by B. F. Kohler.

AMERICAN COTTON OIL CO.'S DIVIDEND.

The directors of the American Cotton Oil Company met Tuesday in special session and declared the regular 3 per cent. semi-annual payment on the preferred stock, payable June 1. Books close May 15 and re-open June 2. It was reported that figures of income for the half year submitted to the Board made a good showing of gain over the previous year.

KETTLE RENDERED LARD.

For an increasing demand on the part of housekeepers for kettle rendered lard there will also be a demand for improved appliances for pressing the lard scrap so as to secure the greatest yield with the least expense for manual labor, and we are sure any improvements in this line will be of interest to our readers.



The illustration shows a new departure in hydraulic presses for this work. The main cylinder of this press is above and is lined with heavy copper to give a smooth surface for the packing and to prevent rusting. The ram or plunger is packed on the upper end in an improved manner, which enables it to be adjusted without removing it from the cylinder. The lower end of the plunger is provided with a follower of a size to easily enter the hoop and is of sufficient length to allow a movement that will press a small quantity, and to be raised above the hoop from 12 to 16 inches for putting in the scrap. It is raised by two small auxiliary cylinders with pistons fastened to the follower as shown. The pump is provided with a simple reverse valve which enables the operator to turn the water from the pump into either the large or small cylinders, as required to raise the follower or produce the pressure on the material in the hoop. The hoop is composed of upright staves riveted to wrought iron bands, held by steel locking clamps and hinges. A portion of the hoop is stationary and fastened to the base, serving as a post on which swing two doors completing the circle and enabling the operator to easily remove the pressed scrap. The base of the press is hollow and can be heated by steam, thus keeping it hot so that the grease will flow readily. The Boomer & Boschert Press Co., No. 362 West Water street, Syracuse, N. Y., who manufacture these presses, state that they make three sizes, any of which can be worked by hand or power, and their well-known reputation is a sufficient guarantee of the efficiency of this press. They also make both screw and hydraulic presses for fertilizers, oleo, etc., and would, no doubt, be pleased to give any information to those desiring.***

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PORK PACKING.

Special reports show the number of hogs packed since March 1 at undermentioned places, compared with last year, as follows:

March 1 to May 5, 1897.	1896.
Chicago	915,000 945,000
Kansas City	465,000 408,000
Omaha	230,000 170,000
St. Louis	208,000 203,000
Indianapolis	118,500 108,000
Cincinnati	111,000 100,000
Wilwaukee, Wis.	51,500 50,000
Cudahy, Wis.	48,000 63,500
Cedar Rapids, Iowa. .	36,800 34,200
Ottumwa, Iowa	80,000 58,000
St. Joseph, Mo.	37,500 34,500
Cleveland, Ohio	102,000 68,000
Louisville, Ky.	45,000 37,000
Sioux City, Iowa	33,000 33,000
Bloomington, Ill.	11,400 6,800
Nebraska City, Neb. .	22,700 24,000
Lincoln, Neb.	11,000 13,500

—Price Current.

LIVERPOOL QUOTATIONS.

Beef firm; extra India mess, 56c. 3d.; prime mess, 47s. 6d. Pork firm; prime mess, fine Western, 50s.; medium Western, 45s. Hams—Short cut, 14 to 16 lb, steady, 43s. Bacon—Cumberland cut, 28 to 30 lb, dull, 28s. 6d.; short rib, 20 to 24 lb, dull, 27s. 6d.; long clear middles light, 35 to 38 lb, dull, 26s. 6d.; long clear middles heavy, 40 to 45 lb, dull, 25s. 6d.; short clear middles heavy, 45 to 50 lb, dull, 25s.; clear bellies, 12 to 14 lb, dull, 27s. Shoulders—Square, 12 to 14 lb, steady, 26s. 6d. Lard steady; prime Western, 21s. Cheese steady; American finest white and colored, 55s. Tallow—Prime city, 17s. 3d. Cottonseed oil—Liverpool refined firm, 15s. 3d.

CAKE AND MEAL MARKET.

The market for cottonseed products in New Orleans is steady. Prime crude oil in bulk 17½ to 18 cents; prime summer yellow in barrels 23 to 24 cents; meal and cake \$16 to \$16.25 per short ton, and \$18 to \$18.25 per long ton for export. Receivers' prices ranged as follows: Cottonseed \$9 per ton (2,000 pounds) delivered to the mills; cottonseed meal jobbing at depot \$16 to \$16.25 per short ton, and \$17.75 to \$18 per long ton for export f. o. b.; cottonseed oil 18 to 19 cents per gallon for strictly prime crude, in bulk 17 to 18 cents, and 23 to 24 cents for refined oil at wholesale for shipment; oil cake \$17.75 to \$18 per long ton f. o. b.; linters—A 3½ cents per pound, B 3½ cents, C 2½ to 3 cents; hulls, delivered at 15 to 20 cents per 100 pounds, according to location of the mills.

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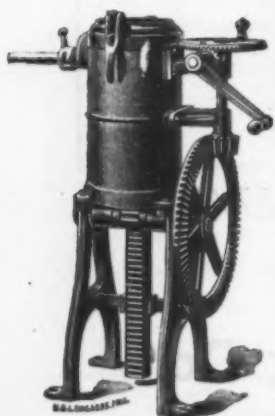
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BROKERS

AND COMMISSION MERCHANTS.
 FERTILIZER, CHEMICALS AND MATERIALS.
 GLUE, BONEBLACK, TALLOW, ETC.

80 Pine Street and 136 Water Street
 Telephone Call, "1830 CORTLANDT."
Correspondence solicited. **New York City.**

GEO. A. SHAW & CO.,
BROKERS,

Merchandise and Provisions,
 28 WEST 2d STREET,
CINCINNATI, OHIO.

Cincinnati Representative of THE NATIONAL
 PROVISIONER.

THIS SPACE IS RESERVED FOR
LEDERER BROS., YONKERS, N. Y.

LEDERER BROS.,
 DEALERS IN
HIDES, SKINS AND TALLOW
 667-669 HENDERSON ST.,
Jersey City, N. J.

JACOB LEVY
 PAYS THE HIGHEST PRICES FOR
Fat, Suet, Calfskins, Hides, Plates & Bones,
 799 First Ave., New York City.

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 Greenpoint, L. I. Mount Vernon.
 Wagon calls to all parts of the city, Brooklyn, Westchester
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HERMAN BRAND,
 Dealer in
Fat, Calfskins, Suet and Bones,
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 Telephone, 2532 38th St.
 Dealer in **Fat and Calfskins,**
 Also Plate, Naval and Prime Beef,
 548 W. 40th St. (Bet. 10th & 11th Aves.) **NEW YORK.**

NEW YORK MARKETS.

OCEAN FREIGHTS.

The market for ocean freights is quiet but steady. Rates are as follows: Liverpool—Tallow, 9s.; bacon, 10s.; cottonseed oil, 2s. London—Tallow, 15s.; bacon, 15s.; cottonseed oil, 3s. Glasgow—Tallow, 15s.; bacon, 17s. 6d.; cottonseed oil, 3s. 6d. Hull—Tallow—12s. 6d.; bacon, 12s. 6d.; cottonseed oil, 2s. 6d. Direct port U. K., 3d. less for small steamers and 4½¢ for large steamers, berth terms. Direct port Continent, large steamers, berth terms, 2s. 6d. @ 2s. 7½¢.

LIVE CATTLE.

Weekly receipts:

	Beoves	Cows	Calves	Sheep	Hogs
Jersey City.....	2,426		3,883	16,103	20,202
Sixtieth St.....	3,931	109	9,846	13,834	362
Fortieth St.....					16,313
Hoboken.....	2,576	49	59	1,348	
Lehigh Val. R. R. 1,421					2,287
Scattering.....			171	310	

Totals.....	10,354	152	13,979	31,595	39,164
Totals last week.	10,391	171	11,061	30,307	35,294

Weekly shipments:

	Live Cattle.	Live Sheep.	Quar. Beef.
Eastmans Company.....			3,722
D. H. Sherman.....			1,430
Nelson Morris & Co.....			1,877
Swift & Company.....			4,820
Schwarzchild & Sulzberger 1,140			2,492
J. Shambert & Son.....	1,134	1,892	
R. Bickerdire.....	182		
Pritchard, Moore & Co.....	200		
G. F. Lough & Co.....	12	14	
A. Strauss.....	20		

Total shipments.....	2,688	1,366	14,341
Total shipments last week..	3,012	1,705	12,970
Boston this week.....	3,182	3,549	10,189
Baltimore ".....	1,303		1,540
Philad'a. ".....	400		1,015
Portland ".....	372		
Newport News ".....	349		
St. Johns, N. B. ".....	350	500	
To London.....	1,982		2,492
To Liverpool.....	5,052	4,901	21,161
To Glasgow.....	1,408	500	
To Bristol.....	200		
To Southampton.....			3,432
To Bermuda and West Indies	32	14	
Totals to all ports.....	8,614	5,415	27,085
" " " last week.....	9,764	8,834	26,359

QUOTATIONS FOR BEEVES.

Good to choice native steers.....	5 07½	a 5 95
Medium to fair native steers.....	4 76	a 5 00
Common native steers.....	4 25	a 4 62½
Stags and Oxen.....	3 00	a 4 25
Bulls and dry cows.....	1 75	a 3 60
Good to prime native steers one year ago.....	4 95	a 5 20

DRESSED BEEF.

Native prices are firm at 7½¢@8c. this week with a better demand. Better supply of Western, with a trifle advance. We quote:

Choice Native, heavy.....	7½	a 8
" " light.....	7½	a 7½
Common to fair Native.....	6½	a 7½
Choice Western, heavy.....	7	a 7½
" " light.....	6½	a 7
Good to prime Western.....	6½	a 7
Common to fair Texan.....	6	a 6½
Good to choice Heifers.....	6	a 6½
Common to fair Heifers.....	6	a 6½
Choice Cows.....	6	a 6½
Common to fair Cows.....	5½	a 6
Good to choice Oxen and Stags.....	5½	a 6½
Common to fair Oxen and Stags.....	5½	a 6
Choice Bulls.....	5½	a 6
Common Bulls and Cows for Bologna.....	5	a 5

LIVE CALVES.

Demand rather moderate and market quiet, and no more than steady at former range of prices. We quote:

Live veal calves prime.....	4 50	a 5 00
" " fair to good.....	3 75	a 4 25
" " common to medium.....	3 00	a 3 50

DRESSED CALVES.

Country dressed calves are in moderate supply, and with fair demand market ruled steady at prices quoted. We quote:

City dressed.....	7	a 8
Country dressed, choice.....	6	a 7
" " good.....	6	a 7
" " common.....	4	a 5½
" " small.....	3	a 3½

DRESSED SHEEP AND LAMBS.

Country dressed spring lambs firm for choice, but poor lambs dull and irregular. Sheep in fair demand at last week's prices. We quote:

Good to choice lambs.....	9	a 11
Common to medium lambs.....	6	a 10
Good to prime sheep.....	8	a 9
Common to medium.....	7	a 8

LIVE SHEEP AND LAMBS.

Live spring lambs dull and \$4.50 about top for average best offerings, with several lots of Southern selling at 7c. per lb. Sheep and yearlings in fair demand and firm for choice, but poor stock dull and irregular. We quote:

Live spring lambs, per head.....	3 00	a 4 00
" " yearlings, unshorn, comm. to prime, lb. 5½	a 6½	
" " " clipped, " " 4½	a 5½	
" " sheep, unshorn, " " 4½	a 5½	
" " " clipped, " " 3½	a 4½	

LIVE HOGS.

The market is fairly active and firm, with prices showing an advance of fully 10c. We quote:

Hogs, heavy.....	4 35	a 4 60
Hogs, light to medium.....	4 25	a 4 40
Pigs.....	4	a 55
Bought.....	3 00	a 3 50

DRESSED HOGS.

The market is more active than last week, although prices remain about the same. Country dressed hogs are in light receipt, and with a very limited demand, are barely steady at below prices. We quote:

Hogs, 160 and over.....	a 5½	
Hogs, 140 and over.....	5½	a 5½
Hogs, 120 and over.....	a 5½	
Hogs, light.....	6	a 6½
Pigs, medium.....	6	a 6½
Country dressed.....	4	a 6½

PROVISIONS.

The tone of the market is good, with a fair demand. Nothing in smoked hams less than 9½¢. Dried beef sets are firm at 14c., and fresh pork loins are going better at 8½¢ for city and 7½¢@8c. for Western. Western markets are firm. We quote:

(JOBBER TRADE).

Smoked hams, 10 lbs. average.....	10½	a 10½
" " " 12 to 14 ".....	a 10	
" " heavy.....	9½	a 10
California hams, smoked, light.....	9½	a 7
" " heavy.....	a 6½	
Smoked bacon, boneless.....	8	a 8½
" " (rib in).....	7½	a 8½
Dried beef sets.....	a 14	
Smoked beef tongues, per lb.....	a 15	
" shoulders.....	6	a 6½
Pickled bellies, light.....	6½	a 7
" heavy.....	8½	a 6
Fresh pork loins.....	7½	a 8½
Pork tenderloins.....	15	a 16

LIVE POULTRY.

The market shows little change. Fowls sold generally at 8c., though tone is weak, and probably that price would be difficult to get for Southern, if here. Chickens in light supply and selling slowly at below range of prices. Old roosters weak. Turkeys dull and favoring buyers. Ducks and geese weak and favoring buyers. Pigeons firm. We quote:

Turkeys.....	a 9	
Fowls, Local, per lb.....	a 8	
" Western, ".....	a 8	
" Southern and Southwestern.....	a 8	
Roosters, old, per lb.....	4	a 4½
Ducks, per pair, Western.....	60	a 75
" " Southern.....	a 50	
" " Local.....	60	a 70
Geese, per pair, Western.....	75	a 1 00
" " Southern and Southwestern.....	a 75	
" " Local.....	a 1 00	
Spring Chickens, large, per pair.....	60	a 80
" " small to medium, per pair.....	40	a 50
Pigeons, per pair, old.....	a 35	
" " young.....	25	a 30

DRESSED POULTRY.

The receipts of fowls are not large, but there is still a large accumulation from previous receipts, and with continued slow demand there is no actual improvement. Buyers have their ideas at 7c., refusing to listen to anything above 7½¢, and where stock runs at all heavy or out of condition, are urging from 5¢@6c. Philadelphia broilers in moderate supply, but demand limited, and 25c. only exceeded in a small way. Only small lots of Western scalded broilers arriving, and peddling out at 20¢@22c. Long Island and Eastern spring ducks plenty, dull and weak,

with sales of L. I. difficult above 20c. per lb. Tame squabs quiet and unchanged. There is a poor demand for frozen poultry. Fancy broilers and capons sell fairly. Frozen fowls not offering. Turkeys, ducks and geese very dull and weak. We quote:

Turkeys, average, hens and toms.....	8	a 10
" " Hens, frozen.....	a 12	
Chickens, selected, Phila.....	16	a 18
" " good to prime, Phila.....	a 14	
" " common to medium, Phila.....	12	a 13
Broilers, Phila., 3 lbs. to pair and under.....	a 25	
" " 3½ " " over.....	23	a 24
Fowls, prime, State, Penn. and Western, iced.....	7½	a 8
" " common to good, Western, fresh.....	7	a 7½
" " Western, poor to fair.....	6	a 6½
Old Cocks, Western.....	a 5	
Squabs, per doz., white.....	a 2 50	
" " small, poor.....	1 25	a 1 50
Capons, Phila., large, frozen.....	a 14	
" " Western, large, ".....	12	a 13
Ducks frozen.....	11	a 12
Geese, ".....	8	a 10

FISH.

Cod, heads off.....	4	a 5
" " heads on.....	a 2	
Halibut.....	6	a 10
Striped bass.....	a 15	
Bluefish.....	1½	a 3
Eels, skinned.....	a 6	
" " skin on.....	3	a 8
White perch.....	7	a 8
Flounders.....	a 4	
Salmon, Kennebec.....	a 55	
" " green.....	15	a 18
Smelts.....	a 3	
" " green.....	3	a 8
Lobsters.....	a 12	
Herrings.....	1½	a 2
Red snappers.....	a 2	
Mackerel, medium.....	4	a 10
Shad, rock.....	18	a 25
" " bucks.....	a 10	
Scallops.....	a	
Soft crabs.....	80	a 1 25

GAME.

Fresh English snipe and golden plover in fair supply, but irregular in quality and value. Southwestern grass plover are poor and rarely salable above 50c. per dozen. Frozen grouse, quail, partridges and venison neglected and nominal. We quote:

English Snipe, per doz.....	1 00	a 1 25
Golden plover, per doz.....	1 00	a 1 25
Grass Plover, per doz.....	50	a 60
Sand Snipe, per doz.....	25	a 30

BUTTER.

NEW BUTTER.

Creamery, Western, extras, per lb.....	a 17	
" " firsts.....	a 16	
" " seconds.....	14½	a 15½
" " thirds.....	13	a 14
" " State, finest.....	a 17	
" " thirds to firsts.....	13	a 16
State dairy, half firkin tubs, extras.....	a 16	
" " firsts.....	14½	a 15½
" " seconds.....	13	a 14
" " Welsh tubs, fancy.....	a 15½	
" " firsts.....	14½	a 15
" " seconds.....	13	a 14
" " thirds.....	11	a 12
Western imitation creamery, extras.....	a 14½	
" " firsts.....	12	a 13
" " seconds.....	10	a 11
" " factory, fancy.....	a 11½	
" " firsts.....	10½	a 11
" " seconds.....	9½	a 10
" " thirds.....	8½	a 9

OLD BUTTER.

Creamery, summer make, poor to choice.....	11	a 15
State dairy, tubs, finest, poor to choice.....	13	a 13½
" " firkins, finest.....	12½	a 13½
" " common to good.....	10	a 12½
Western factory or dairy.....	8	a 11

CHEESE.

Old cheese in so light remaining stock that we drop quotations.

NEW CHEESE.

State, full cream, large, colored, choice.....	10½	a 10½
" " " white, ".....	10	a 10½
" " " good to prime.....	9½	a 9½
" " " small, choice.....	11	a 11½
" " " good to prime.....	10½	a 11½
" " part skims, choice.....	a 8	
" " good to prime.....	7	a 7½
" " common to fair.....	a 6	
" " full skims.....	2½	a 3

EGGS.

Western, selected for storage.....	10	a 10½
State and Penn., ungraded, per doz.....	10	a 10½
Mich., North. Ohio and North. Ind., ungraded.....	a 10	
Other Western, ungraded.....	9½	a 9½
Kentucky, choice.....	9½	a 9½
Other Southern, prime to choice.....	8½	a 9
Western, seconds (30-doz. case).....	2 00	a 2 10
Duck eggs, Baltimore, per doz.....	a 18	
" " Western.....	14	a 15
" " Va. and Tenn. ".....	13	a 14
" " other Southern, per doz.....	11	a 12
Goose eggs, per doz., uncandled, at market.....	20	a 25

WANTED.--FOR SALE.--BUSINESS OPPORTUNITIES.

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SITUATION WANTED.—AN EXPERT LARD MAN and familiar with all the departments in a modern packing house. Able to take complete charge. Twelve years' experience. Address J. C. Irwin, Box 82, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

WANTED.—A situation as salesman for provision house. Acquainted with New York and vicinity, New England, Eastern and Central States. Ten years' experience. Address C. J. M., Box 54, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

BOOKKEEPER WITH PRACTICAL experience desires situation. Quick at figures and in every way competent. Address T. B., Box 6, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

POSITION WANTED.

Position wanted by a practical soap maker. Capable of managing a factory of any capacity. Thirteen years of experience in the bleaching and refining of cotton oil. Address JOHN DONAHUE, Box 36, care THE NATIONAL PROVISIONER, 284-286 Pearl street, New York.

FIRST-CLASS MEAT CUTTER. Competent to take charge of books; A 1 references, would like a position. M. BRIETENBUCHER, 239 East Eighty-fourth street, New York City.

A SINGLE MAN, GOOD SALESMAN, wants position; wages no object. A. BUND-SHUK, 15 Rector street, New York City.

POSITION WANTED AS FOREMAN of sausage department by thoroughly experienced German sausage-maker. First-class references. Address A. M., care G. Hagen, 517 Thirty-second street, Chicago.

WANTED.—A POSITION BY A PRACTICAL packing house chemist; four years' experience in large Western establishments; highest references. Address R. O. S., Box 12, THE NATIONAL PROVISIONER, 284-286 Pearl street, New York.

POSITION WANTED BY A FIRST-class salesman; all Hotels, Institutions, Steamships, Yachts, etc. Highest references. Address X Y Z, Box 112, care of THE NATIONAL PROVISIONER, 284 Pearl street, New York.

HELP WANTED.

WANTED.—A GOOD BUTCHER WHO understands making bolognas. Apply F. W. Waters, 612 Ninth avenue, New York City.

WANTED.—A GOOD BUTCHER, SINGLE man. Apply 493 Court street, Brooklyn, N. Y.

WANTED.—A GOOD BUTCHER, WHO speaks English and German. References. Metzger, 94 Myrtle avenue, Brooklyn, N. Y.

PARTNER WANTED.

WANTED.—PARTNER IN PACKING house; capacity, 500 hogs weekly; established fifteen years, and in healthy condition; office position or assist management; good locality. Address C., Box 214, THE NATIONAL PROVISIONER, 284-286 Pearl street, New York.

THE NATIONAL PROVISIONER.

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FOR SALE.

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WITH
ENGINES.

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PORK PACKERS' HANDBOOK AND
DIRECTORY,

Indispensable for Packers, Bacon Curers and
Boiling Down Works.

Price, \$10.

WHEREVER A NEW PACKING HOUSE IS STARTED

A copy of our **PORK PACKERS HANDBOOK AND DIRECTORY** is a necessity. For particulars, see page 50.

PRESSES FOR SALE CHEAP

Three Johnson Filter Presses, 36 Plates, 18 inches diameter, and
One Filter Press, 20 Plates, 18 inches square. Will stand 1,000 pounds to the square inch. Also One No. 5 Oleo Press.

JOSEPH LISTER,
1158-1160 Elston Avenue, Chicago.

BUTCHER'S MARKET WAGON.—ANY one in want of a nearly new butcher's market wagon, carrying 35 cwt. (three-spring top wagon), can hear of one, price \$45, by applying to S. W., Box 54, care THE NATIONAL PROVISIONER, 284-286 Pearl street New York.

WE ARE SHORT OF COPIES OF THE NATIONAL PROVISIONER OF THE DATES OF JAN. 25, 1896, AND JAN. 9, 1897. WE WOULD BE OBLIGED IF OUR FRIENDS WOULD SEND US COPIES OF THOSE DATES, AND WE WILL CREDIT THEIR SUBSCRIPTION ACCOUNT ACCORDINGLY.

SIDE LINE.

Salesman visiting butchers, grocers and general stores can carry a very profitable side line; pocket samples only. Address H. W. T. C., Box 111, care THE NATIONAL PROVISIONER, 284 Pearl street, New York.

Wurstmacher!

**SAUSAGE MAKERS!
SAUSAGE MAKERS!**

BUTCHERS

who desire one of the following books on
Sausage Making, etc.

Bücher für Fleischer und Delicatesswaarenhändler.

ANFERTIGUNG der Fleischwurst. Anleitung zur Herstellung einer fein schmeckenden Cervelatwurst. \$0.75
DR. BARDONNET. Die Musterung der Hauswurst, nebst genauer Angabe derjenigen Stellen, durch deren Befühlen eine genaue Gewichts- und Fettschätzung ermöglicht wird. Mit 58 Abbildungen. \$0.75
A. CNYRIM. Die Conservierung der Nahrungsmittel, und zwar des Fleisches, Herstellung des Fleisch-extractes u. s. w. \$1.10
F. EPPNER. Die deutsche Wurstfabrikation (Todsz.). \$0.75
A. HAUSNER. Die Fabrikation der Conserven und Cauditen. Vollständige Darstellung aller Verfahren der Conservierung für Fleisch etc., mit 27 Abbildungen. (Ch. T. B. 23) \$1.75; cl. \$2.14
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284-286 Pearl Street, New York.

11 Bialto Building, Chicago.

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Per Annum in the U. S. and Canada (in advance),	\$4.00	CITY AND STREET.....
Foreign Countries, except Canada (in advance),	\$5.00	COUNTY AND STATE.....

BUTCHERS' SUNDRIES.

Fresh Beef Tongue	45 to 60c
Calves' heads, scalded	35 to 40c a piece
Sweet breads	25 to 30c a pair
Calves' livers	25 to 40c a piece
Beef kidneys	8 to 10c a piece
Mutton kidneys	3c a piece
Livers, beef	40 to 60c a piece
Oxtails	6 to 8c a piece
Hearts, beef	11 to 15c a piece
Rolls, beef	10 to 12c a lb
Butts, beef	6 to 8c a lb
Tenderloins, beef	18 to 25c a lb
Lamb's trim	7 to 8c a pair

GREEN CALF SKINS.

Veal Skins, No. 1	14
Veal Skins, No. 2	12
Butter-skins, No. 1	11
Butter-skins, No. 2	9
Kips, No. 1, Heavy, 14 lbs. and up	1.90
Kips, No. 1, Light, 14 lbs. and up	1.60
Kips, No. 2, Heavy	1.60
Kips, No. 2, Light	1.20
Butter-milk Kips	1.40
Grained Kips	1.40
C. S. No. 3	40
	25

BONES, HOOFS, HAIR AND HORNS.

Round shin bones, dry, 50 pieces to 100	\$35.00
Flat shin bones, dry, 42 pieces to 100	41.00
Thigh bones, 75 pieces to 100	75.00
Horns, 7 1/2 ounces and over	145.00
7 1/2 ounces and under	110.00
No. 3	60.00
Quackstock, per 100 lbs.	90c
Hair tails	30

BUTCHERS' FAT.

Rough butcher's fat	1 1/2
Inferior	1
*Suet, fresh and heavy	2 1/2
Shop bones (per cwt.)	20

SAUSAGE CASINGS.

Sheep, imported, wide, per bundle	64
" " " " " " " " " " " "	32 00
" " " " " " " " " " " "	50
" " " " " " " " " " " "	40
Hog, American, lbs, per lb	12
" " " " " " " " " " " "	13
" " " " " " " " " " " "	14
" " " " " " " " " " " "	14
Beef guts, rounds, per set (100 feet), f.o.b. N. Y.	15
" " " " " " " " " " " "	13
" " " " " " " " " " " "	3 4
" " " " " " " " " " " "	40
" " " " " " " " " " " "	5 1/2
" " " " " " " " " " " "	4 6
" " " " " " " " " " " "	38
" " " " " " " " " " " "	30
" " " " " " " " " " " "	6 1/2
" " " " " " " " " " " "	4 1/2
" " " " " " " " " " " "	2 3
Russian rings	12 30

SALTPETRE.

Crude	3 1/2
Refined—Granulated	4 1/2
Crystals	4 1/2
Powdered	5 1/2

SPICES.

	Whole	Ground
Pepper, Sing. Black	7	9
" " " " " " " " " " " "	11	12
" " " " " " " " " " " "	15	
" " " " " " " " " " " "	8	
Allspice	8	10
Coriander	5	7
Cloves	10	12
Mace	48	50
Nutmeg, 1 lb.	48	50
Ginger, Jamaica	23	26
" " " " " " " " " " " "	10	12
Sage Leaf	10	12
" " " " " " " " " " " "	12	
Marjoram	25	

THE GLUE MARKET.

The market has shown but little animation and unchanged conditions. Hide stock glues are in better supply and without change in prices. Foot grades offering freely. Foreign makes are very firmly held, and old contracts only are being filled. We quote:

A Extra, white	25c
1 Extra	18c
1	16c
1 X	14c
1 1/2 Hide, brown	18 1/2c
1 1/2	13c
1 1/2	12c
1 1/2 Bone	10c
1 1/2	9c
1 1/2	8c
1	7c

The Fertilizer Market.
NEW YORK MARKET.

The market for leading ammoniates is steady but quiet as regards new developments; there is, however, a fair volume of business progressing in the usual channels. Potash salts are in moderate request for jobbing parcels, but forward deliveries are quiet. Nitrate of soda is also quiet, but firmly held, and no new features. We quote:

Ground bone, fine average, per ton	\$19 00	a21 00
Kainit, future shipment, per 2 000 lbs.	8 80	a 8 90
Kainit, ex store, in bulk	8 20	a 8 90
Kelsner, future shipments	7 25	a 7 80
Muriate potash, 80 per cent., fut. shp't	1 75	a 1 78
Muriate potash, 80 p. c., ship, ex store	1 78	a 1 80
Nitrate of soda, spot	1 92 1/2	a 1 95
Nitrate of soda, futures	1 70	a 1 75
Double manure salt (18 1/2 49 per cent. less than 2 1/2 per cent. chlorate), to arrive, per lb. (basis 48 per cent.)	1 01	a 1 01 1/2
The same, spot	1 02	a 1 03
High grade manure salt (90 1/2 99 per cent. sulphate potash), to arrive (basis 90 per cent.)	1 96	a 2 00 1/2
Manure salt in bulk, 31 a 36 per cent., per unit O. P.	36 1/4	a 37 1/2
Bone black, spent, per ton	16 00	a16 80
Ammon. superphos., high grade	25 00	a26 00
Dried blood, New York, high grade fine ground	1 55	a 1 60
Dried blood, West., high gr. fine ground	1 40	a 1 45
Tankage, per unit	12 25	a12 75
Azotine, per unit	1 60	a 1 55
Fish scrap, wet (at factory), f. o. b.	8 80	a 9 00
" " " " " " " " " " " "	17 50	a18 00
Sulphate ammonia, gas, per 100 lbs.	2 15	a 2 20
Sulphate ammonia bone, per 100 lbs.	3 10	a 3 15
South Carolina phosphate rock, ground, per 2,000 lbs.	8 25	a 8 50
South Carolina phosphate rock, undried, f. o. b. Ashley River, per 2,400 lbs.		a 3 00
The same, dried	3 25	a 3 45

BALTIMORE FERTILIZER MARKET.

While the demand for ammoniates for the past month has been equal, or nearly so, to that of the preceding month, the market has had a downward tendency, and the close of the month shows a decline of several points. Only one of the tankage contracts that must come on the market May 1 has been sold, and buyers show no anxiety to secure those left, except at prices much below sellers' views. We quote: Ground blood, 1.37 1/2 per unit f. o. b. Chicago; ground blood, 1.30 per unit f. o. b. Kansas City; crushed blood, 1.30 per unit f. o. b. Kansas City; crushed tankage, 9 and 20, 1.15 f. o. b. Kansas City; concentrated tankage, 1.25 per unit f. o. b. Chicago; hoof meal, 1.25 per unit f. o. b. Chicago; crushed tankage, 10 and 10, 1.13 f. o. b. Chicago; crushed tankage, 9 1/2 and 18, 1.13 f. o. b. Chicago; crushed tankage, 9 1/2 and 5, 1.25 f. o. b. Chicago; crushed tankage, 8 1/2 and 20, 1.1 f. o. b. Chicago; standard crushed tankage, 9 and 20, 1.52 1/2 and 10 delivered Baltimore; ground blood, 1.65 per unit delivered Baltimore; azotine, 1.65 per unit delivered Baltimore; sulphate of ammonia, 2.37 1/2 ex store Baltimore.

CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2c. for 60 per cent.; 76 per cent. caustic soda, 2.15c. for 60 per cent.; 60 per cent. caustic soda, 2.25c. lb; 98 per cent. powdered caustic soda, 3 1/2c. lb; sal soda, 65c. per 100 lb; carbonate of potash, 4 1/2c. lb; caustic potash, 4 1/2c. lb; borax, 5 1/2c. lb; talc, 1 1/2c. lb; Cocoin coconut oil, 6 1/2c. lb; Ceylon coconut oil, 5 1/2c. lb; palm oil, 4 1/2c. lb; palm kernel oil, 5 1/2c. lb; yellow olive oil, 55c. gallon; green olive oil, 54c. gallon; green olive oil foots, 4 1/2c. lb; cottonseed soap stock, 1c. lb; rosin, \$2.25 per 280 lb.

A. ZIMMER, Sheep Buyer. JOHN ENOCH, Cattle Buyer
C. W. ZIMMER, Hog Buyer.

ADAM ZIMMER,
COMMISSION MERCHANT

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CHICAGO MARKETS.
LARDS.

Prime Steam	4
Neutral	5 1/2
Compound	4

STEARINES.

Oleo-stearine	4 a 4 1/2
---------------	-----------

OILS.

Lard oil, Extra	34
" " No. 1	31
" " No. 1	26
" " No. 2	24
Oleo oil, "Extra"	6 1/2
Neatsfoot Oil, Pure	45
" " Extra	35
" " No. 1	31

TALLOW.

Tallow Oil	32
Packers' Prime	3 1/2
No. 2	3
Edible Tallow	3 1/2

GREASES.

Brown	2 1/2
Yellow	2 1/2
White	3 1/2
Bole	2 1/2

BUTCHERS' FAT.

Rough shop fat	1 1/2
Inferior or black fat	1 1/2
Suet	2 1/2
Shop Bones, per 100 lbs.	30

COTTONSEED OIL.

P. S. Y., in tanks	20
Crude	18
Rutter oil, barrels	27

FERTILIZER MARKET.

Dried blood, 16 to 17 units	1.33	Chgo. f. o. b.
Hoof meal, per unit	1.37 1/2	
Concent. tankage, 14 to 18 p. c. p. unit, 1.25 al. 2 1/2		
Unground tankage, 10 to 11 p. c. per ton	13.00	
Unground tankage, 9 & 20 p. c. per ton	12.80	
Unground tankage, 8 & 20 p. c. per ton	11.50	
Unground tankage, 7 & 30 p. c. per ton	10.00	
Unground tankage, 6 & 35 p. c. per ton	9.00	
Bone meal, per ton	18.00	
Bones, rough, "packers"	16.50	
Steamed bone meal per ton	15.00	
Ground tankage, \$1 per ton extra		

HORNS, HOOFS AND BONES.

Horns No. 1	\$170 per ton	65-70 lbs. average
Horns	\$20.70 per ton	
Round Shin Bones	\$37.50	
Flat Shin Bones	\$37.50	
Thigh Bones	\$90 per ton	90-100 lbs. average

PACKERS' SUNDRIES.

Pork loins	a 7 1/2
Pocket Pieces	a 4
Tenderloins	a12 1/2
Spare ribs	a 4
Trimnings	a 4 1/2
Ham Trimnings	a 4 1/2
California Butts	a 5 1/2
Boston butts	a 5 1/2
Cheek Meat	a 3 1/2

CURING MATERIALS.

Sugar in New Orleans is quoted as follows:	
Pure open kettle	2 1/2 a 2 1/2
White, clarified	3 1/2
Plantation granulated	3 1/2

COOPERAGE.

Barrels	70c
Lard tierces	80c

CHICAGO LIVE STOCK.

RECEIPTS FOR WEEK ENDING MAY 1.

	Cattle	Calves	Hogs	Sheep
April 27	2,485	2,286	19,315	10,765
" 28	18,364	1,396	35,148	14,218
" 29	10,964	1,053	30,642	14,628
" 30	3,227	190	23,888	8,569
May 1	71	63	12,659	1,924
" 3	17,100	200	46,000	21,000
Total	50,269	5,077	159,621	63,111
Previous week	46,483	3,799	131,284	72,380
Same week, '96	39,913	5,873	187,097	58,156
" '95	36,749	4,863	147,291	78,382

Average weight of hogs received here last week, 235 lbs., against 236 lbs. the previous week, 243 lbs. a year ago and 223 lbs. two years ago.

BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, May 1, 1897. They are a reprint of our Advance Sheet, sent out to houses on May 1, who subscribe to same.

NEW YORK CITY.

Gaffney, Chas., 692 Kingsbridge Road; to H. A. Heylman..... \$200
 Kreig, A. A., 2337 3d Ave.; to G. A. Raszewsky (Fish Fixtures)... 500
 Schwartz, Ignatz, 72-74 Lewis; to M. & A. R. Meyers..... 500

Bills of Sale.

Ofner, Rose, 1886 2d Ave.; to J. Cohn..... 510

KINGS COUNTY.

Feltman, A., 284 Patchen Ave.; to J. Koster..... 250
 Koster, J., 284 Patchen Ave.; to A. Feltman..... 550
 Martens, H. H., 762 Classon Ave.; to Protsman & Seaton..... 558
 Rieber, J., 175 Irving place; to Eliz. Bechtold..... 300

Bills of Sale.

Bloch, J., 427 Warren; to Bertha Wright..... 200
 Richmiller, W., 501 5th Ave.; to Katie Richmiller..... 1,000

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Paper Bags, Twines, Butter Dishes and Boxes of every description.

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GROCERS.

The following Mortgages on Grocers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, May 1, 1897. They are a reprint of our Advance Sheet, sent out to houses on May 1, who subscribe to same.

NEW YORK CITY.

Albert, Abraham, 720 East 11th; to B. Hollender..... 400
 Gracco, A. & F., 311 East 45th; to J. Pasca..... 100
 Lange & Winckelmann, 2111 8th Ave.; to H. Lange..... 1,500
 Maginness, Hartford, 458 Lenox; to B. J. Davis..... 2,378

Bills of Sale.

Bauer, Fanny, 220 Rivington; to Louis Chastner..... 1
 Brinkmann, Hy., 2111 8th Ave.; to Lange & Winckelmann..... 3,500
 Hores, Anna, 515 West 43d; to L. Werschmidt..... 500
 Laird, Mary A., 205 Duane; to Job E. Laird (Produce)..... 1
 Levy, Abraham, 187 East Houston; to E. Siebowitz..... 200
 Policke, Adolph, 1637 1st Ave.; to F. Storck..... 84
 Rosenberg, Ed., 729 Columbus Ave.; to Louis Rosenberg..... 1,000

KINGS COUNTY.

Linfaute, S., 128 North 6th; to V. Fierro..... 250
 Wilshusen, Bertha, 1021 3d Ave.; to A. M. Droste..... 244

Bills of Sale.

Buttacavoli, F., 98 Sands; to S. Buttacavoli..... 500
 Delfosse, E., 203 Hamilton Ave.; to Adelaide Delfosse..... Nom.
 Hutner, J., 1839 Eastern Parkway; to Fannie Hutner..... 150
 Meyer, H. N., 46 Union Ave.; to W. Meyer..... 200
 Meyer, H. N., 46 Union Ave.; to W. Meyer..... 500

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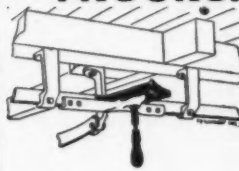
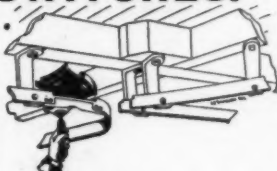
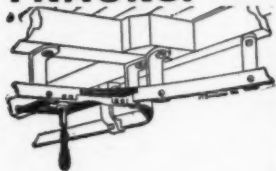
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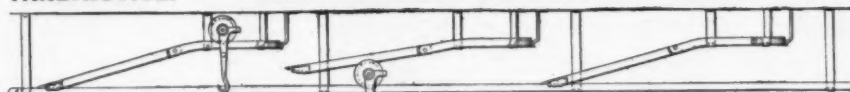


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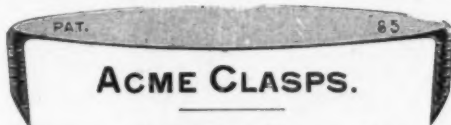
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Cutting of Hogs.
When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper.—Instruments in Use.—Side Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Cost of Cutting.—Domestic Cuts.—Export Cuts.—Loins.—Wrapping.—Cold Storage.—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs.—Backbones, Neckbones, Hocks; What to do With Them.—Short-rib Middle (illustrated); How to Cut.—English Short-rib Middle (illustrated and explained);—Long Clear Middles (illustrated and explained);—Extra Long Clear Middles (illustrated and explained);—Long-rib Middles (illustrated and explained);—Cumberland Middles (illustrated and explained);—Yorkshire Middles (illustrated and explained);—Staffordshire Middles (illustrated and explained);—Dublin Middles.—Stretford Middles.—Birmingham Middles (illustrated and explained);—Short, Clear Sides (illustrated and explained);—Extra Short, Clear Sides (illustrated and explained);—Wiltshire Sides (illustrated and explained);—South Staffordshire Sides (illustrated and explained);—Clear Belly (illustrated and explained);—Rib Belly (illustrated and explained);—Welsh Sides.—Irish-cut Sides.—South Staffordshire Sides.—Clear Bellies, English.—Rib Bellies.—Picked, Clear Bellies.—Short, Clear Backs, English (illustrated);—Short Fat Backs (illustrated);—Long Fat Backs (illustrated);—Picked Clear Backs.—Short-cut Hams (illustrated);—Long-cut Hams (illustrated);—Stafford Hams (illustrated);—South Stafford Hams.—Manchester Hams.—Skinned Hams.—California Hams (illustrated);—Rolled Hams, Bone-

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Fresh Meats.
Tenderloins.—Trimming.—Spareribs.—The Advantages of Spreading.—What Receptacles to Use to Give Meat a Good Appearance.—What Pieces Must not Be Given for Counter Trade.—The Handling of Spareribs, also Fresh and Smoked.—Meat Market Sales.

Hog Tests and Relative Values.
The Value of Tests.—What Percentage to Figure on Live Weight.—What to Figure for Cost of Manufacture.—Shrinkage When Determining Cured Yields.—Conclusion About Cutting of Hogs.
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Tables of No. 1 BOX AVERAGES
Export Meats. No. 2.—Tierce Averages at 300 lb. No. 3.—Table of Convertible Values for Provision Exports to Great Britain.

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Elimination of Animal Heat.—Demand for Mild Cured Meats.—Temperatures.—How to Handle a Ham Pump.—Strength of Pickle.—Spread the Meats.—How Long.—What Temperature.—SOME GOOD RECIPES FOR CURING.—How Much Saltwater, etc., to Use.—Sugar Curing.—Different Formulas and Temperatures.—To Avoid "Ropey Pickle."—How to Get Rid of it.—Rolling.—Repling.—Time for Curing of Different Pieces of Different Weights.—When to Draw the Pickle.—Gain in Curing.—Handling of Tierces After Drawing Pickle.—How to Pile Tierces.—Look Out for Leaks.—CURE FOR TONGUES PACKED IN BARRELS AT 250 POUNDS.—Formula.—Another Formula.—Temperature.—Another Pickle.—A Fourth Formula.—Change of Pickle; When Necessary.—Tongues for Export.—Curing of Hocks and Feet.—The Required Pickle.—Another Method.—Temperature.—Vinegar Pickle.—CURE FOR BELLIES IN

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American Dry Salt Meats.
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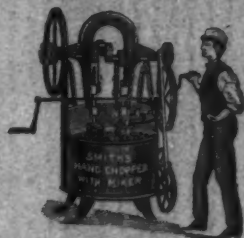
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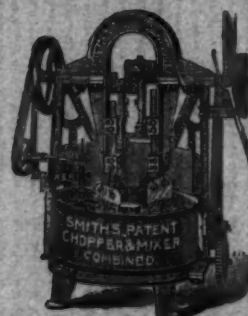


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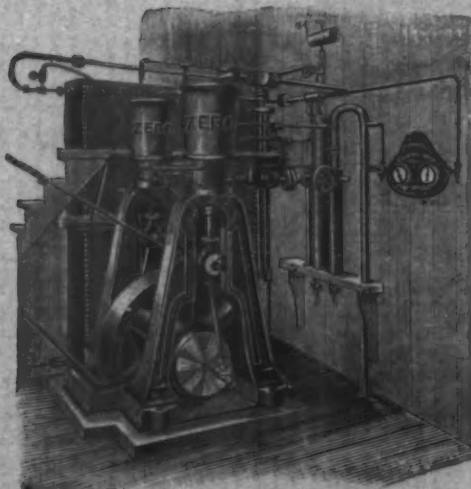
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